Environment Canada | Environnement Canada

Surface Water Data

Alberta

Données sur les eaux de surface

1989

INLAND WATERS DIRECTORATE
WATER RESOURCES BRANCH
WATER SURVEY OF CANADA
OTTAWA, CANADA, 1990

DIRECTION GÉNÉRALE DES EAUX INTÉRIEURES
DIRECTION DES RESSOURCES EN EAU
DIVISION DES RELEVÉS HYDROLOGIQUES DU CANADA
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PREFACE

This publication was prepared by personnel of the Water Survey of Canada Division under the direction of the Director, Water Resources Branch, Department of the Environment, Ottawa.

The basic data were collected and compiled under the supervision of the Regional Chief of the Water Resources Branch at Calgary, Alberta.

The co-operation received from provincial agencies and from other organizations is gratefully acknowledged.

PRÉFACE

La Division des relevés hydrologiques du Canada, sous l'autorité du Directeur des ressources en eau du ministère de l'Environnement (Ottawa), a préparé la présente publication.

On a recueilli et compilé les données de base sous la supervision du Chef régional de la Direction des ressources en eau, à Calgary (Alberta).

On remercie vivement les organismes provinciaux, ou autres, pour la coopération qu'ils ont apportée.

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INTRODUCTION

The Water Resources Branch of the Department of the Environment herein presents for the **1989** calendar year the results of the hydrometric survey investigations which were made in Alberta by the Water Survey of Canada.

Details on individual stations and related records, as well as recent data which have not yet been published, may be obtained upon application to:

Water Resources Branch,
Department of the Environment,
Bag 2909,
Postal Station 'M',
(Room 854,
220–4th Avenue S.E.,)
Calgary, Alberta.
T2P 2M7
(403 292–5315)

or to the Water Resources Branch, Department of the Environment, Ottawa, Ontario, K1A 0H3 (819 997–2098).

ORGANIZATION AND HISTORY OF HYDROMETRIC SURVEY OPERATIONS

During **1989**, the hydrometric surveys in Alberta were conducted by the Water Survey of Canada under agreement with the Province of Alberta. The provincial authorities contributed to the cost of the basic field investigations which were carried out in accordance with mutually agreed-upon plans.

INTRODUCTION

La Direction des ressources en eau du ministère de l'Environnement présente, pour l'année civile **1989**, les résultats des relevés hydrométriques que la Division des relevés hydrologiques du Canada a effectués en Alberta.

En s'adressant aux endroits ci-après, on peut obtenir des renseignements supplémentaires sur certaines stations particulières et divers relevés, ainsi que des données récentes non encore publiées:

Direction des ressources en eau
Ministère de l'Environnement
Sac postal 2909
Succursale postale 'M'
(Pièce 854,
220, Quatrième avenue S.-E.)
Calgary (Alberta)
T2P 2M7
(403 292–5315)

ou au Direction des ressources en eau, ministère de l'Environnement, Ottawa (Ontario), K1A 0H3 (819 997–2098).

ORGANISATION ET HISTORIQUE DES RELEVÉS HYDROMÉTRIQUES

En **1989**, la Division des relevés hydrologiques du Canada a effectué des relevés hydrométriques en Alberta en vertu de l'accord conclu avec les autorités provinciales, qui ont contribué au coût des recherches de base réalisées sur le terrain, après entente mutuelle sur leur programme.

Stream measurement work was carried on between 1894 and 1908 in connection with the Canadian Irrigation Surveys. Early in 1909 the Hydrometric Survey was organized as part of the Forestry and Irrigation Branch and was conducted by the Branch until 1911. The Hydrometric Survey was then assigned to the Irrigation Branch (later the Reclamation Service) remaining in that organization until July, 1920, when it was transferred to the Dominion Water Power Branch. Following the transfer of the natural resources of Alberta to provincial control as of October 1, 1930, a co-operative agreement was arranged with the Government of Alberta for the continuance of the hydrometric survey by the federal government. Although this agreement was terminated in 1933 work was continued by the federal government under letter arrangement until 1975. A co-operative agreement, (with an implementation date of April 1, 1975), was signed with the Government of Alberta on April 15, 1975. The agreement provides that water quantity surveys will be continued by the federal government on a shared cost basis.

Entre 1894 et 1908, des relevés ont été effectués en même temps que les levés canadiens relatifs à l'irrigation. Au début de l'année 1909, un service des relevés hydrométriques a été créé au sein de la Direction des forêts et de l'irrigation, qui s'en est occupée jusqu'en 1911. L'exécution de ces relevés a ensuite été confiée à la Direction de l'irrigation (devenue plus tard le Service de la mise en valeur des terres), et ce jusqu'en juillet 1920, date à laquelle la Direction fédérale de l'énergie hydraulique en a pris charge. Après que la responsabilité des ressources naturelles de l'Alberta a passé à cette dernière, le 1er octobre 1930, un accord de coopération a été conclu avec son gouvernement, aux termes duquel le gouvernement fédéral s'est engagé à poursuivre l'exécution des relevés hydrométriques. L'accord à pris fin en 1933, mais en vertu d'une lettre d'entente, le gouvernement fédéral a continué d'exécuter les observations hydrométriques jusqu'en 1975. Le 15 avril 1975, le gouvernement de l'Alberta a signé un nouvel accord, qui est entré en vigueur le 1er avril 1975, renfermant des dispositions grâce auxquelles le gouvernement fédéral s'occupera du programme de relevés hydrométriques et partagera le coût des mesures avec la province.

CO–OPERATION AND ACKNOWLEDGMENTS

Co-operative undertakings with other agencies form an important part of the activities of the Water Survey of Canada. Close co-operation has been maintained with public agencies and private organizations concerned with water resources. Runoff and other data have been mutually exchanged and stream-gauging operations have been facilitated by the assistance received from a number of organizations.

On waters adjacent to the International Boundary, certain gauging stations are maintained by Canada (or the United States) under agreement with the United States (or Canada) and the records are collected and compiled in a manner equally acceptable to both countries. These stations are designated as "International Gauging Stations" in this publication.

For the valuable assistance and co-operation received in obtaining hydrometric survey records, the Water Survey of Canada is indebted to the following organizations:

Federal – Department of Public Works;
Department of Agriculture, Research Branch.

Provincial – Alberta Forest Service;
Department of the Environment, Water Resources Branch, Alberta;
St. Mary-Milk River Development Commission, Alberta.

Municipal – City of Calgary, Alberta.

Private – Western Irrigation District;
Eastern Irrigation District;
United Irrigation District;
Lethbridge Northern Irrigation District;
Northern Transportation Company;
Syncrude Canada Limited;
TransAlta Utilities Corporation;
Canadian Utilities Limited;
North Western Pulp and Power Limited;
St. Mary River Irrigation District.

COOPÉRATION ET REMERCIEMENTS

Le travail entrepris en coopération avec d'autres organismes représente une partie importante des activités de la Division des relevés hydrologiques du Canada. On a maintenu une étroite collaboration avec les organismes, publics ou privés, qui s'intéressent aux ressources en eau. On a échangé des données portant sur l'écoulement ou sur d'autres points, et l'assistance fournie par beaucoup d'organismes a facilité les opérations de jaugeage.

Pour ce qui est des eaux adjacentes à la frontière internationale, certaines stations de jaugeage dépendent du Canada (ou des États-Unis) suite à un accord avec les États-Unis (ou le Canada), et les relevés sont faits et compilés de façon à satisfaire les deux pays. Ces stations sont nommées «Stations internationales de jaugeage».

La Division des relevés hydrologiques du Canada est redevable aux organismes suivants de l'aide et de la collaboration précieuses qu'ils lui ont apportées lors de la prise des relevés hydrométriques:

Niveau fédéral – Ministère des Travaux publics,
Direction de la recherche du ministère de l'Agriculture.

Niveau provincial – *Alberta Forest Service*,
Direction des ressources en eau du ministère de l'Environnement de l'Alberta,
St. Mary-Milk River Development Commission, Alberta.

Niveau municipal – Ville de Calgary, Alberta.

Secteur privé – *Western Irrigation District*,
Eastern Irrigation District,
United Irrigation District,
Lethbridge Northern Irrigation District,
Northern Transportation Company,
Syncrude Canada Limited,
TransAlta Utilities Corporation,
Canadian Utilities Limited,
North Western Pulp and Power Limited,
St. Mary River Irrigation District.

EQUIVALENTS OF MEASURE

The following list of convenient equivalents of measure includes the relationship between imperial units and the International System of Units (SI).

1 inch equals 2.54 cm (centimetres)
1 foot equals 0.3048 m (metre)
1 statute mile equals 1.6093 km (kilometres)

1 cm (centimetre) equals 0.393 70 inch
1 m (metre) equals 3.2808 feet
1 km (kilometre) equals 0.621 37 mile

1 acre equals 43 560 square feet
1 acre equals 0.404 69 ha (hectare)
1 square mile equals 640 acres
1 square mile equals 2.5900 km^2 (square kilometres)
1 square mile equals 259.0 ha (hectares)

1 ha (hectare) equals 10 000 m^2 (square metres)
1 ha (hectare) equals 2.4710 acres
1 km^2 (square kilometre) equals 0.386 10 square mile

1 cubic foot equals 6.2288 imperial gallons
1 imperial gallon equals 4.546 09 L (litres)
1 imperial gallon equals 1.2010 U.S. gallons
1 U.S. gallon equals 0.133 68 cubic foot
1 cubic foot equals 0.028 317 m^3 (cubic metre)
1 m^3 (cubic metre) equals 35.315 cubic feet
1 dam^3 (cubic decametre) equals 1000 m^3 (cubic metres)
1 dam^3 (cubic decametre) equals 1 mm (millimetre) over 1 km^2 (square kilometre)

1 cubic foot per second for one day equals 1.9835 acre-feet
1 cubic foot per second for one day covers one square mile to a depth of 0.037 19 inch
1 acre-foot equals 1.2335 dam^3 (cubic decametres)
1 m^3/s (cubic metre per second) for one day equals 86.4 dam^3 (cubic decametre)
1 m^3/s (cubic metre per second) for one day covers one square kilometre to a depth of 0.0864 m (metre)

1 foot per second equals 0.6818 mile per hour
1 mile per hour equals 1.467 feet per second
1 m/s (metre per second) equals 3.6 km/h (kilometre per hour)
1 km/h (kilometre per hour) equals 0.2778 m/s (metre per second)

1 cubic foot per second equals 0.028 317 m^3/s (cubic metre per second)
1 m^3/s (cubic metre per second) equals 35.315 cubic feet per second

1 pound equals 0.453 59 kg (kilogram)
1 kg (kilogram) equals 2.2046 pounds

1 short ton (2000 pounds) equals 0.907 18 t (tonne)
1 t (tonne) equals 2204.6 pounds

degrees Celsius = 5/9 (degrees Fahrenheit - 32)
degrees Fahrenheit = 9/5 (degrees Celsius) + 32

ÉQUIVALENCES DES UNITÉS DE MESURE

Voici une liste des unités de mesure impériales et leurs équivalences dans le Système international d'unités (SI).

1 pouce vaut 2.54 cm (centimètres)
1 pied vaut 0.3048 m (mètre)
1 mille terrestre équivaut à 1.6093 km (kilomètre)

1 cm (centimètre) équivaut à 0.393 70 pouce
1 m (mètre) équivaut à 3.2808 pieds
1 km (kilomètre) équivaut à 0.621 37 mille

1 acre vaut 43 560 pieds carrés
1 acre équivaut à 0.404 69 ha (hectare)
1 mille carré vaut 640 acres
1 mille carré équivaut à 2.5900 km^2 (kilomètres carrés)
1 mille carré équivaut à 259.0 ha (hectare)

1 ha (hectare) vaut 10 000 m^2 (mètres carrés)
1 ha (hectare) équivaut à 2.4710 acres
1 km^2 (kilomètre carré) équivaut à 0.386 10 mille carré

1 pied cube équivaut à 6.2288 gallons impérials
1 gallon impérial vaut 4.546 09 L (litres)
1 gallon impérial équivaut à 1.2010 gallon américain
1 gallon américain équivaut à 0.133 68 pied cube
1 pied cube vaut 0.028 317 m^3 (mètre cube)
1 m^3 (mètre cube) vaut 35.315 pieds cubes
1 dam^3 (décamètre cube) vaut 1000 m^3 (mètres cubes)
1 dam^3 (décamètre cube) vaut 1 mm (millimètre) qui couvre 1 km^2 (kilomètre carré)

1 pied cube par seconde pendant un jour équivaut à 1.9835 acre-pied
1 pied cube par seconde pendant un jour équivaut à un volume d'un mille carré par 0.037 19 pouce
1 acre-pied équivaut à 1.2335 dam^3 (décamètres cubes)
1 m^3/s (mètre cube par seconde) pour un jour vaut 86.4 dam^3 (décamètre cube)
1 m^3/s (mètre cube par seconde) pour un jour couvre un kilomètre carré à une profondeur de 0.0864 m (mètre)

1 pied par seconde équivaut à 0.6818 mille par heure
1 mille par heure équivaut à 1.467 pied par seconde
1 m/s (mètre par seconde) vaut 3.6 km/h (kilomètre par heure)
1 km/h (kilomètre par heure) vaut 0.2778 m/s (mètre par seconde)

1 pied cube par seconde équivaut à 0.028 317 m^3/s (mètre cube par seconde)
1 m^3/s (mètre cube par seconde) équivaut à 35.315 pieds cubes par seconde

1 livre équivaut à 0.453 59 kg (kilogramme)
1 kg (kilogramme) équivaut à 2.2046 livres

1 tonne courte (2000 livres) équivaut à 0.907 18 t (tonne)
1 t (tonne) équivaut à 2204.6 livres

degrés Celsius = 5/9 (degrés Fahrenheit - 32)
degrés Fahrenheit = 9/5 (degrés Celsius) + 32

DEFINITION OF TERMS AND ABBREVIATIONS

"Control" is the condition downstream from a gauging station that determines the stage-discharge relationship. It may be a stretch of rapids, a weir or other artificial structure. In the absence of such features, the control may be a less obvious condition such as a convergence of the channel or even simply the resistance to flow through a downstream reach. A shifting control exists where the stage-discharge relationship tends to change because of impermanent bed or banks.

"Cubic metres per second" (m^3/s) is a unit expressing rate of discharge. One cubic metre per second is equal to one cubic metre of water flowing past a particular point in one second. This is the basic unit in general use, other units being computed from it by the use of factors as given in the previous paragraph under "Equivalents of Measure".

"Gauging station" is a location where systematic records of stage or stage and discharge are obtained.

"Miscellaneous (or related) data" is all data not published in the regular series of hydrometric and sediment data publications such as unpublished water levels and the various parameters that are measured in obtaining discharge measurements, e.g. water depth, velocity, width, air and water temperatures, ice thickness. This also includes discharge measurements and water level and sediment observations obtained at locations which are not regular gauging stations. Various types of "derived" data could also be considered "miscellaneous", such as water levels and discharges at selected time intervals (usually hourly).

"Stage-discharge relationship" is the relation between the water level and the discharge at a gauging station.

PUBLICATION OF SURFACE WATER AND SEDIMENT DATA

Surface Water Data have been published in a variety of formats in imperial units since 1908 in approximately 300 publications which are now mostly out-of-print. Commencing with the 1979 publications, data are presented in the International System of Units (SI). However, the format has remained the same wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province(s) or territories covered and the year in which data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically, with two years of data per page.

DÉFINITIONS DES TERMES ET ABRÉVIATIONS

«Élément régulateur» – élément qui conditionne l'écoulement en aval d'une station de jaugeage et qui détermine la relation hauteur-débit au niveau de la station. Ce peut être une série de rapides, un déversoir ou toute autre structure artificielle. En l'absence de ces structures, l'élément régulateur peut provenir d'une condition moins apparente comme le rétrécissement d'un chenal ou simplement la résistance à l'écoulement d'un tronçon situé en aval. Il y a élément régulateur changeant quand la relation hauteur-débit tend à être modifiée par un lit ou des rives instables.

«Mètres cubes par seconde» (m^3/s) – unité du taux d'écoulement. Un mètre cube par seconde équivaut à un mètre cube d'eau s'écoulant en un point donné en une seconde. C'est l'unité de base généralement employée, les autres unités dérivées à partir de celle-ci sont données sous la rubrique «Équivalences des unités de mesure».

«Station de jaugeage» – lieu où l'on effectue des relevés systématiques de la hauteur ou de la hauteur et du débit de l'eau.

«Les données diverses (ou connexes)» – représentent toutes les données qui ne sont pas publiées dans les séries régulières des publications sur les données hydrométriques et les sédiments, par exemple celles des niveaux des eaux et des autres paramètres qui sont mesurés en même temps que le débit, soit la profondeur de l'eau, sa vitesse, son étendue, la température de l'eau et de l'air, l'épaisseur de la glace. Les mesures de débit ainsi que les observations sur les niveaux des eaux et les sédiments, obtenues à des emplacements autres que les stations régulières de jaugeage, sont aussi incluses. D'autres types de données «dérivées» pourraient aussi être classées dans cette catégorie de données «diverses», à savoir les niveaux des eaux et les débits observés à des intervalles de temps précis (en général, toutes les heures).

«Relation hauteur-débit» – relation qui existe entre la hauteur et le débit au niveau d'une station de jaugeage.

PUBLICATION DES DONNÉES SUR LES EAUX DE SURFACE ET LES SÉDIMENTS

Depuis 1908, les *Données sur les eaux de surface* ont été publiées, en utilisant diverses formules et en ayant recours au système d'unités impériales, dans quelque 300 publications lesquelles sont pour la plupart épuisées. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Toutefois, la présentation est toujours la même, c'est-à-dire que le Canada est divisé en huit régions. Chaque province représente une région distincte sauf le Nouveau-Brunswick, la Terre-Neuve, la Nouvelle-Écosse et l'Île-du-Prince-Édouard qui constituent la région des provinces de l'Atlantique, comme c'est le cas aussi pour le Yukon et les Territoires du Nord-Ouest qui sont réunis en une seule région. Les publications sont identifiées par le nom des provinces ou territoires concernés et par l'année de la cueillette des données. Les données sont publiées annuellement, en fonction de l'année civile, et les stations sont classées par ordre alphabétique, chaque page de données couvrant deux années.

The first edition of a *Surface Water Data Reference Index* was published for data to 1966 by province or region. Subsequent editions were published annually or biennially in one publication for Canada. Commencing with the 1979 publication, data are presented in the International System of Units (SI) and future editions will be published biennially. Gauging stations are listed by province or territory, in upstream to downstream order. Coloured maps showing the locations of both active and the discontinued stations were included in the first and second editions and were provided in a separate Hydrometric Map Supplement to the 1972 and the 1977 editions. The latest editions of the Reference Index and the Hydrometric Map Supplement supersede all previous editions.

The first edition of a publication series titled *Historical Streamflow Summary* was produced for data to 1970. Subsequent editions have been published every three years. This publication series contains a summary of historical monthly and annual mean discharges and annual extremes for the entire period of record for all stations where streamflow data have been collected during the history of the Water Survey of Canada. Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1982 will be published every two years. The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

The first edition of a publication series titled *Historical Water Levels Summary* was produced for data to 1976. This publication series contains a summary of historical monthly and annual mean water levels and annual extremes for the period of record for all stations on lakes or reservoirs where water level data have been collected during the history of the Water Survey of Canada. It also contains a summary of water level data for all stations on rivers where "water levels only" were collected or for certain stations on rivers where streamflow data are collected, but the historical water level information is considered to be of sufficient demand to warrant inclusion in the publication (daily water levels for stations where streamflow data are collected are not normally published in the annual Surface Water Data publications). Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1983 will be published every two years. The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

During the years 1948 to 1960, some sediment data were collected for several Prairie rivers to meet the needs of particular projects. The first Water Resources Paper series containing sediment data incorporated a selection of these data and also data for part of the year ending September 30, 1961, at stations established for the continuing program. The second issue was a biennial publication covering only the continuing program for the 1962 and 1963 water years. All subsequent editions titled *Sediment Data Canadian Rivers* have been published annually. The sediment data since 1978 have been presented entirely in the International System of Units (SI).

La première édition de l'*Index de référence des données sur les eaux de surface* comprenait les données disponibles jusqu'en 1966, de chaque province ou région. Les éditions subséquentes étaient publiées annuellement ou tous les deux ans en une seule publication pour tout le Canada. À partir de 1979, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les deux ans. Les stations de jaugeage sont présentées par province ou territoire et placées dans l'ordre de leur position, d'amont en aval. Des cartes en couleurs, qui indiquent l'emplacement des stations hydrométriques en service, y compris celles qui ne le sont plus, ont paru dans les première et deuxième éditions ainsi que dans le *Supplément de cartes hydrométriques* de 1972 et de 1977. L'édition la plus récente de l'*Index de référence* et celle du *Supplément de cartes hydrométriques* annulent les éditions antérieures.

La première édition d'une série de publications intitulée *Sommaire chronologique de l'écoulement* renfermait les données disponibles jusqu'en 1970. Les éditions subséquentes étaient publiées tous les trois ans. Cette série de publications renferme un résumé des moyennes mensuelles et annuelles des débits ainsi que les débits extrêmes annuels pour toute la période d'enregistrement et pour toutes les stations où des données de débit sont recueillies par la Division des relevés hydrologiques du Canada. Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1982 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

La première édition d'une série de publications intitulée *Sommaire chronologique des niveaux d'eau* comprenait les données disponibles jusqu'en 1976. Cette série de publications contient un résumé des niveaux moyens mensuels et annuels ainsi que des niveaux extrêmes annuels pour la période d'enregistrement pour toutes les stations de lacs ou de réservoirs où des données sur les niveaux d'eau sont recueillies par la Division des relevés hydrologiques du Canada. Elle renferme également un résumé des niveaux d'eau pour toutes les stations de rivières effectuant «uniquement» des relevés de niveaux d'eau ou pour certaines stations de rivières où des données de débit sont recueillies de même que des données sur les niveaux d'eau qui peuvent répondre aux besoins des utilisateurs (en général, les niveaux d'eau quotidiens de stations effectuant des relevés de débit ne sont pas publiées dans les publications annuelles des données sur les eaux de surface). Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1983 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

De 1948 à 1960, on a recueilli des données pour plusieurs cours d'eau des Prairies en prévision de la réalisation de certains projets. La première publication contenant des données sur les sédiments a paru dans la série intitulée *Water Resources Paper*; elle présentait un choix de ces données ainsi que des données recueillies en 1961 avant le 30 septembre à des stations établies pour la réalisation du programme permanent. La deuxième publication a porté sur les données recueillies dans le cadre du programme au cours des années hydrologiques 1962 et 1963. Par la suite, les données ont été publiées annuellement sous le titre *Données sur les sédiments - rivières canadiennes*. Depuis 1978, les données sont exprimées en unités du Système international (SI).

Commencing with 1984, the *Sediment Data* are presented and published in a new format wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island, which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province or territories covered and the year in which the data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically.

The first edition of a *Sediment Data Reference Index* was published for data to 1972. It contains a tabulation of locations in Canada where sediment data were collected by the Water Survey of Canada. The index has been subdivided alphabetically by province or territory, with sediment survey stations also listed alphabetically. Commencing with the 1978 publication, data are presented in the International System of Units (SI) and will continue to be published biennially. The latest edition supersedes all previous editions because it contains any corrections or additions since the last publication.

The first edition of a new publication series titled *Historical Sediment Data Summary for Canadian Rivers* was produced for data to 1974. This publication contains a summary of historical monthly and annual mean suspended sediment load, and annual extremes of daily suspended sediment concentration and loads and total annual suspended load. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI). This publication has been discontinued, as much of the information is now included in the new annual *Sediment Data* publication.

METHOD OF TABULATION OF SURFACE WATER DATA

For gauging stations where a systematic record of water level or discharge was obtained during the year under review, the following are given where available:

1. Table of daily water level or discharge;
2. Summary of monthly and annual data;
3. Descriptive information.

1. *The table of daily water level* or *discharge* gives the daily water level in metres or the daily discharge in cubic metres per second at the gauging station.

The following standard symbols are used opposite the daily stage or discharge to which they apply:

A – Manual Gauge – indicates that one or more manual gauge observations per day were obtained and used as the mean for the day for a gauging station equipped with a recording gauge. This symbol is used during open-water periods only.

B – Ice Conditions – indicates that for a gauging station where discharge data are obtained the presence of ice has affected the stage-discharge relationship.

E – Estimated – indicates any estimated data. It indicates that the value was determined by some indirect method such as interpolation, extrapolation, estimation from a graph of observed readings, comparison with other streams or by comparison with meteorological data.

En 1984, la présentation des données a été modifiée. Le Canada a été divisé en huit régions, une région pour chaque province, sauf le Nouveau-Brunswick, Terre-Neuve, la Nouvelle-Écosse et l'Île-du-Prince-Édouard qui, ensemble, forment la région des provinces de l'Atlantique, et les Territoires du Yukon et du Nord-Ouest, qui forment une autre région. Les publications sont nommées selon la région couverte et l'année des données (année civile). Ces publications sont annuelles. Les stations y sont présentées par ordre alphabétique.

Un *Index de référence des données sur les sédiments* est publié. La première édition portait sur les données disponibles jusqu'en 1972. Les emplacements où des données sur les sédiments ont été recueillies au Canada par la Division des relevés hydrologiques y sont présentés sous forme de tableau. L'*Index* est subdivisé selon l'ordre alphabétique par province ou territoire, et les stations de mesure des sédiments sont classées par ordre alphabétique. À partir de 1978, les données sont exprimées en unités du Système international (SI). L'*Index* est publié tous les deux ans; l'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour effectuées depuis la dernière parution.

Une autre série de publications a porté le titre *Sommaire chronologique des données sur les sédiments de rivières canadiennes*. La première édition renfermait les données disponibles jusqu'en 1974. Cette série présentait un résumé donnant les moyennes mensuelles et annuelles historiques du débit des sédiments en suspension, les valeurs annuelles extrêmes de la concentration journalière et du débit journalier des sédiments en suspension et le débit annuel total des sédiments en suspension. À partir de 1978, les données ont été présentées en unités du Système international (SI). Cette série a été abandonnée, car une bonne partie de l'information est maintenant contenue dans la nouvelle publication annuelle intitulée *Données sur les sédiments*.

PRÉSENTATION SOUS FORME DE TABLEAUX DES DONNÉES SUR LES EAUX DE SURFACE

Pour les stations de jaugeage où on a effectué, au cours de l'année étudiée, un relevé systématique du débit ou du niveau, les données suivantes sont présentées, pour autant qu'elles soient disponibles:

1. un tableau du niveau ou du débit quotidien;
2. un extrait des données mensuelles et annuelles;
3. des renseignements descriptifs.

1. *Le tableau du niveau* ou *du débit quotidien* donne la hauteur des eaux, en mètres ou le débit, en mètres cubes par seconde, mesuré à la station de jaugeage.

Les symboles normalisés donnés ci-après sont inscrits à côté des valeurs auxquelles ils se rapportent:

A – Jauge manuelle – indique qu'on a effectué à une station de jaugeage dotée d'une jauge enregistreuse au moins une observation par jour à l'aide d'une jauge manuelle et qu'on s'en est servi comme moyenne pour la journée en question. Le symbole n'est employé qu'au cours de périodes d'eau libre.

B – Glaces – indique, pour les données portant sur le débit, que la présence de glaces à la station de jaugeage a faussé la relation hauteur-débit.

E – Estimatives – indique une donnée estimative, c'est-à-dire qu'on a déterminé la valeur de façon indirecte, par exemple par interpolation, extrapolation, à l'aide de graphique, ou par comparaison avec d'autres cours d'eau ou avec des données météorologiques.

2. *A summary of monthly and annual data* is given below the table of daily data.

For stations where only water level data are obtained, both a monthly and annual summary are given.

The monthly summary gives:
(a) the mean water level in metres for complete months;
(b) the maximum and minimum daily water level in metres.

The summary for the year gives:
(a) the mean water level in metres for complete years;
(b) the maximum and minimum daily water levels and their dates of first occurrence where applicable;
(c) the maximum instantaneous water level and the time of occurrence where available.

For stations where discharge data are collected, both a monthly and annual summary are given.

The monthly summary gives:
(a) the total of the daily discharge values for complete months;
(b) the mean discharge in cubic metres per second;
(c) the total discharge in cubic decametres;
(d) the maximum and minimum daily discharges in cubic metres per second.

The summary for the year or period gives:
(a) the mean discharge in cubic metres per second;
(b) the total discharge in cubic decametres;
(c) the maximum and minimum daily discharges and their dates of first occurrence;
(d) the maximum instantaneous discharge and the time of occurrence, where available.

3. *The descriptive information* about the gauging station is also given below the table of daily data and will indicate the following where applicable:

International Gauging Stations – on waters adjacent to the international boundary, certain gauging stations have been designated as "International" and records are approved jointly. Differences between figures published herein and corresponding figures in United States Water Supply Papers are due to variations in automated data processing techniques.

Type of Gauge – refers to the installation or method used to obtain water level or discharge data:

(a) Manual – a non-recording type of gauge from which observations of stage normally are obtained once daily.
(b) Recording – a water-stage recorder from which continuous water levels are obtained on an analog chart. For most International Gauging Stations located in the United States, water level records are obtained utilizing a digital recorder.
(c) Power Plant Rating – this indicates that records were obtained using the latest available rating of the Power Plant.

2. *Un extrait des données mensuelles et annuelles* est donné au-dessous du tableau des données quotidiennes.

Les extraits mensuels et annuels sont présentés dans le cas des stations où on n'a mesuré que le niveau.

L'extrait mensuel donne:
(a) le niveau moyen en mètres pour le mois entier, et
(b) les niveaux quotidiens maximal et minimal en mètres.

L'extrait annuel donne:
(a) le niveau moyen en mètres pour l'année entière;
(b) les niveaux quotidiens maximal et minimal ainsi que les dates de leur première observation, s'il y a lieu, et
(c) le niveau maximal instantané et l'heure de l'observation, s'il y a lieu.

Les extraits mensuels et annuels sont présentés dans le cas des stations où on n'a mesuré que le débit.

L'extrait mensuel donne:
(a) le total des valeurs quotidiennes du débit, pour le mois entier;
(b) le débit moyen en mètres cubes par seconde;
(c) le débit total en décamètres cubes, et
(d) les débits quotidiens maximal et minimal en mètres cubes par seconde.

L'extrait annuel ou périodique donne:
(a) le débit moyen en mètres cubes par seconde;
(b) le débit total en décamètres cubes;
(c) les débits quotidiens maximal et minimal ainsi que les dates de première observation, s'il y a lieu, et
(d) le débit maximal instantané et l'heure de l'observation, s'il y a lieu.

3. *Les renseignements descriptifs* sur les stations de jaugeage sont également présentés sous le tableau des données quotidiennes et apportent les précisions qui suivent, s'il y a lieu:

Stations internationales de jaugeage (International Gauging Stations) – Dans les eaux contiguës aux frontières, on a désigné certaines stations comme «internationales», et les données prélevées sont approuvées par les pays concernés. Les différences entre les chiffres publiés dans la présente publication et les *United States Water Supply Papers* proviennent de variantes dans les techniques de traitement automatique des données.

Type de jauge (Type of Gauge) – Il s'agit des jauges ou des méthodes de jaugeage utilisées pour obtenir les données sur le niveau et le débit d'un cours d'eau:

(a) Manuelle (Manual) – indique qu'un appareil non enregistreur sert à obtenir une fois par jour les données sur le niveau et le débit d'un cours d'eau.
(b) Enregistreuse (Recording) – indique qu'un limnigraphe permet de mesurer de façon continue le niveau des eaux tracé sur une carte analogique. La plupart des stations internationales de jaugeage des États-Unis obtiennent les données sur le niveau des eaux à l'aide d'un enregistreur numérique.
(c) Régime des stations hydrauliques (Power Plant Rating) – indique qu'on a obtenu les données grâce aux valeurs les plus récentes des régimes mesurés dans les stations hydrauliques.

Location – the latitude and longitude co-ordinates of the location of the gauge are given. For stations where the gauge is located an appreciable distance from the discharge measurement section, these co-ordinates give the location of the discharge measurement section.

Drainage Area – this is the latest available drainage area and refers to that area enclosed by a topographic divide such that direct surface runoff from precipitation would drain by gravity into the stream upstream from the location of the station. For a gauging station on a lake, this refers to the total drainage area at the outlet of the lake.

Contributed Data – if data were supplied in their entirety by an outside agency, the name of the co-operating agency is given.

Natural Flow or *Regulated* – where the flow is known to be natural, this is indicated. The flow of water in many river systems is affected by upstream regulation. In some cases, the extent of this regulation is not known and therefore is not indicated. However, where the regulation is known to be "appreciable", this is indicated as well as the year that the regulation began, if known.

Gauge Datum – for stations where only water level data are available, the name of the datum, to which water levels are referred, is given as well as an equation to convert to another datum if applicable. Detailed information on the description of the bench marks to which water levels are referred is available from the appropriate Regional Chief.

Remarks – unusual conditions which occur at a station are explained.

REVISIONS

A number of corrections or revisions have been made to previously published data. Many of these were required because of typographical or computational errors which were exposed when daily discharges were stored on magnetic tape and monthly means were re-calculated by computer. Other errors were discovered or different interpretations of basic data were made during the systematic review of historical streamflow data presently underway, for example, these revisions may have been justified because a more reliable stage-discharge relationship had been developed.

Revisions to daily discharges or daily water levels are not published at present. However, those stations where a systematic review has been conducted are identified in the Surface Water Data Reference Index publication. The Historical Streamflow Summary publications contain revisions to monthly and annual mean discharges, and annual extremes of discharge. The Historical Water Levels Summary publications contain revisions to monthly and annual mean water levels, and annual extremes of water level. Recent revisions, corrections or additions made to the historical discharges and water levels are indicated by an "R" symbol in the summary publications. This "R" symbol is deleted from the data bank after publication of the summaries. Detailed information on revisions to historical data is available from the appropriate Regional Chief.

Emplacement (Location) – La latitude et la longitude de la station de jaugeage sont indiquées. Dans les cas où l'équipement de mesure est situé à un endroit éloigné de la section où le jaugeage est effectué, on indique les coordonnées de cette section.

Superficie du bassin versant (Drainage Area) – Il s'agit de la superficie du bassin versant déterminée d'après les cartes les plus récentes et désigne la zone délimitée par une ligne de partage des eaux de sorte que l'écoulement d'averse est entraîné par gravité vers le cours d'eau en amont de la station. S'il s'agit d'une station située sur un lac, elle représente la superficie totale jusqu'à l'émissaire du lac.

Données fournies (Contributed Data) – Nom de l'organisme extérieur qui a fourni les données.

Débit naturel ou *régularisé* (Natural Flow or Regulated) – Un débit reconnu comme naturel est indiqué comme tel. Le débit de plusieurs réseaux hydrographiques est modifié par une régularisation qui est effectuée en amont. Il arrive parfois que l'importance de cette régularisation ne soit pas connue, et elle n'est donc pas indiquée. Cependent, quand on sait que la régularisation est d'une certaine importance, on l'indique ainsi que l'année où elle a débuté (si elle est connue).

Plan de référence des jauges (Gauge Datum) – Pour les stations dans lesquelles on ne mesure que le niveau de l'eau, on indique le plan de référence de la jauge en question et l'équation permettant, au besoin, de convertir ce plan en un autre plan. En s'adressant au chef régional concerné, on peut obtenir des renseignements plus précis au sujet des niveaux de référence auxquels correspondent les niveaux mesurés.

Remarques (Remarks) – Les conditions inhabituelles qui prévalent à une station sont expliquées.

RÉVISIONS

On a corrigé ou révisé beaucoup de données déjà publiées. Il a été nécessaire d'effectuer plusieurs corrections, car on a relevé des erreurs typographiques ou de calculs lorsqu'on a enregistré les débits quotidiens sur rubans magnétiques et qu'on a recalculé à l'aide d'ordinateurs les moyennes mensuelles. On a aussi relevé d'autres erreurs ou fait des interprétations différentes de données de base au cours de la révision rétrospective systématique des données de débit qu'on est à faire en ce moment. Ainsi, on peut justifier des corrections, par le fait qu'on ait trouvé une relation hauteur-débit plus sûre.

Les corrections apportées aux débits quotidiens ou aux niveaux d'eau quotidiens ne sont pas publiées, du moins pour le moment. Cependant, les stations où on a effectué une révision systématique sont identifiées dans l'*Index de référence des données sur les eaux de surface*. Les publications intitulées *Sommaire chronologique de l'écoulement* contiennent des données sur les moyennes mensuelles et annuelles des débits et sur les extrêmes annuels des débits qu'on a révisées. Les publications intitulées *Sommaire chronologique des niveaux d'eau* renferment les révisions apportées aux niveaux moyens mensuels et annuels ainsi que les extrêmes annuels. Les révisions et corrections apportées récemment aux débits chronologiques et aux niveaux d'eau sont accompagnées du symbole «R» dans les publications sommaires. Ce symbole «R» est omis de la banque de données après la publication des sommaires. On peut obtenir plus de détails sur les révisions en s'adressant au chef régional concerné.

ACCURACY OF HYDROMETRIC DATA

The overall accuracy or the degree of reliability of hydrometric data referred to herein, depends upon

(1) The type of gauge, stability of gauge, accuracy of observation of stage and measurement of reference datum,

(2) The stability of the stage-discharge relationship; or if the control is unstable, the frequency and accuracy of discharge measurements, and

(3) The computation procedures and interpretation of records.

Because of all these variable factors, the number of significant figures used herein has been standardized for uniformity of presentation and does not reflect the degree of accuracy of the data. The Water Resources Branch standard for storing water level data is to three decimal points (0.001 m), although some contributing agencies provide data to two decimal points (0.01 m).

A measure of the reliability of the records can be made by an examination of the distribution of the symbols A, E and B (for discharge data).

In general, data collected during open-water periods are more reliable than those collected during periods of ice conditions or those obtained by estimation. Further, water level data collected utilizing a water-stage recorder are more reliable and accurate than those using a manual gauge only, especially for small or flashy streams.

EXACTITUDE DES DONNÉES HYDROMÉTRIQUES

La précision totale ou le degré d'exactitude des données hydrométriques dont on parle ici sont basés sur

(1) Le type de jauge, la stabilité de la gauge, la précision des observations sur les niveaux et de la mesure de la donnée de référence,

(2) La stabilité de la relation hauteur-débit ou, si l'élément régulateur est changeant, sur la fréquence et la précision des mesures de débits, et

(3) L'évaluation des procédés et l'interprétation des chiffres.

À cause de toutes les variables déjà mentionnées, on a normalisé pour des fins d'uniformité de présentation le nombre de chiffres significatifs, mais ceci ne réflète pas le degré d'exactitude des données. Dans la Direction des ressources en eau, les normes de cueillette des données sur le niveau des eaux sont de l'ordre de trois décimales (0.001 m), alors que certains organismes dans ce domaine n'exigent que deux décimales (0.01 m).

L'exactitude des données peut être appréciée par l'examen de la répartition des symboles A, E et B (pour les données de débits).

En général, les données recueillies au cours des périodes d'eau libre sont plus sûres que celles qui sont obtenues au cours des périodes de glaces ou par estimation. De plus, les données sur le niveau des eaux qui sont mesurées à l'aide d'un limnigraphe sont plus certaines et plus exactes que celles qui sont mesurées à l'aide d'une jauge manuelle seulement, surtout dans le cas de petits cours d'eau ou de cours d'eau à crues très rapides.

SURFACE WATER DATA/DONNÉES SUR LES EAUX DE SURFACE

ADAMS CREEK NEAR KINUSO - STATION NO. 07BJ004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0038	0.0718	3.86	4.17	0.832	0.889	3.26 A	0.852	---	---	1
2	---	---	0.0038	0.0928	3.86	3.47	3.84	5.46	3.00 E	0.497	---	---	2
3	---	---	0.0038	0.1568	3.82	2.87	3.37	31.6	2.75 E	0.518	---	---	3
4	---	---	0.0038	0.2148	2.91	2.32	2.63	46.3	2.35 E	0.851	---	---	4
5	---	---	0.0048	0.1988	2.82	1.95	1.84	15.8	2.00 E	0.881	---	---	5
6	---	---	0.0058	0.1848	2.87	2.47	1.58	10.5	1.80 E	0.891	---	---	6
7	---	---	0.0068	0.1488	2.50	3.30	1.23	7.84	1.70 A	0.842	---	---	7
8	---	---	0.0038	0.1578	2.07	2.82	4.58	5.90 A	1.88	0.493	---	---	8
9	---	---	0.0038	0.1428	1.88	2.09	12.4	3.50 E	1.88	0.490	---	---	9
10	---	---	0.0038	0.2468	1.46	2.00	8.38	2.80 E	1.48	0.483	---	---	10
11	---	---	0.0038	0.3008	1.28	1.86	3.77	2.00 E	1.40	0.433	---	---	11
12	---	---	0.0058	0.5718	0.980	1.36	2.80	1.80 E	1.33	0.417	---	---	12
13	---	---	0.0078	0.9238	0.784	1.07	2.00	1.30 E	1.30 A	0.441	---	---	13
14	---	---	0.0068	1.11 B	0.858	0.861	1.60	1.20 E	1.22 E	0.416	---	---	14
15	---	---	0.0058	0.8068	0.892	1.14	1.24	1.15 E	1.00 E	0.418	---	---	15
16	---	---	0.0038	0.6308	0.858	0.881	0.934	1.15 E	1.18 E	0.343	---	---	16
17	---	---	0.0048	0.8988	0.814	0.740	0.808	1.25 E	1.33 E	0.348	---	---	17
18	---	---	0.0048	1.09 B	0.488	0.898	0.720	1.30 E	1.20 E	0.387	---	---	18
19	---	---	0.0038	1.56 B	15.1	0.633	0.838	1.18 E	1.32 E	0.407	---	---	19
20	---	0.0048	0.0038	1.79 B	12.3	0.882	0.819	1.08 E	1.33 E	0.402	---	---	20
21	---	0.0058	0.0028	2.30	8.38	1.30	2.08	0.880E	1.15 E	0.390	---	---	21
22	---	0.0088	0.0038	2.44	6.10	0.870	1.38	1.10 E	0.600E	0.378	---	---	22
23	---	0.0088	0.0048	1.58	5.80	0.797	0.873	1.85 E	0.490A	0.388	---	---	23
24	---	0.0088	0.0088	1.40	5.88	0.715	1.08	1.83 E	0.408A	0.359	---	---	24
25	---	0.0088	0.0058	1.48	7.91	0.882	1.82	1.81 E	0.384A	0.344	---	---	25
26	---	0.0048	0.0048	1.88	7.42	0.838	1.28	1.88 E	0.377	0.340	---	---	26
27	---	0.0048	0.0038	1.90	7.08	0.818	0.823	1.82 E	0.384	0.340	---	---	27
28	---	0.0048	0.0048	2.18	8.38	0.708	0.803	2.04 A	0.332	0.339B	---	---	28
29	---		0.0088	2.71	4.78	0.864	0.858	3.00 E	0.330	0.321	---	---	29
30	---		0.0168	3.48	4.63	0.761	0.785	2.80 E	0.438	0.348A	---	---	30
31	---		0.0448		4.49		0.830	3.00 E		0.350E		---	31
TOTAL	---	---	0.177	32.843	126.800	44.785	58.077	183.489	38.224	13.401	---	---	TOTAL
MEAN	---	---	0.008	1.09	4.15	1.49	2.13	5.27	1.31	0.432	---	---	MEAN
MAX	---	---	0.044	3.48	15.1	4.17	12.4	46.3	3.26	0.881	---	---	MAX
MIN	---	---	0.002	0.071	0.488	0.815	0.819	0.889	0.330	0.321	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.89
MAXIMUM DAILY, 46.3 ON AUG 4
MINIMUM DAILY, 0.002B ON MAR 21
MAXIMUM INSTANTANEOUS,
83.1 AT 18:00 MST ON AUG 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 13 05 N
LONG 115 20 03 W
DRAINAGE AREA, 138 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5 710
FEB	---	AUG	14 100
MAR	10.3	SEP	3 300
APR	3 430	OCT	1 100
MAY	11 100	NOV	---
JUN	3 870	DEC	---

TOTAL DISCHARGE, 42 300 dam³

AETNA CREEK AT HIGHWAY NO. 501 - STATION NO. 05AE012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.038	0.295	0.328	0.327	0.327	0.288	---	---	1
2	---	---	---	---	0.054	0.262	0.342	0.378	0.358	0.284	---	---	2
3	---	---	---	---	0.070	0.288	0.340	0.488	0.388	0.282	---	---	3
4	---	---	---	---	0.022	0.245	0.313	0.488	0.381	0.385	---	---	4
5	---	---	---	---	0	0.214	0.377	0.318	0.344	0.327	---	---	5
6	---	---	---	---	0	0.218	0.394	0.388	0.388	0.317	---	---	6
7	---	---	---	---	0	0.304	0.281	0.340	0.308	0.323	---	---	7
8	---	---	---	---	0	0.181	0.237	0.341	0.281	0.283	---	---	8
9	---	---	---	---	0	0.078	0.185	0.286	0.242	0.286	---	---	9
10	---	---	---	---	0	0.233	0.238	0.271	0.268	0.230	---	---	10
11	---	---	---	---	0	1.85	0.178	0.313	0.281	0.228	---	---	11
12	---	---	---	---	0	0.348	0.220	0.328	0.268	0.247	---	---	12
13	---	---	---	---	0	0.242	0.247	0.338	0.283	0.288	---	---	13
14	---	---	---	---	0	0.181	0.247	0.388	0.282	0.230	---	---	14
15	---	---	---	---	0	0.170	0.082	0.402	0.278	0.111	---	---	15
16	---	---	---	---	0	0.220	0.124	0.486	0.245	0	---	---	16
17	---	---	---	---	0	0.228	0.182	0.350	0.258	0	---	---	17
18	---	---	---	0.081A	0	0.182	0.368	0.338	0.348	0	---	---	18
19	---	---	---	0.077	0.017	0.181	0.141	0.388	0.302	0	---	---	19
20	---	---	---	0.078	0.138	0.184	0.138	0.272	0.280	0	---	---	20
21	---	---	---	0.087	0.331	0.181	0.080	0.281	0.190	0	---	---	21
22	---	---	---	0.082	0.337	0.145	0.082	0.301	0.181	0	---	---	22
23	---	---	---	0.026	0.217	0.309	0.277	0.333	0.177	0	---	---	23
24	---	---	---	0	0.188	0.385	0.284	0.382	0.158	0	---	---	24
25	---	---	---	0.015	0.288	0.425	0.327	0.607	0.145	0	---	---	25
26	---	---	---	0.078	0.332	0.229	0.187	0.437	0.227	0	---	---	26
27	---	---	---	0.085	0.316	0.173	0.112	0.828	0.286	0	---	---	27
28	---	---	---	0.084	0.485	0.173	0.232	0.847	0.243	0	---	---	28
29	---		---	0.113	0.467	0.385	0.288	0.494	0.281	0	---	---	29
30	---		---	0.070	0.384	0.338	0.224	0.453	0.231	0	---	---	30
31	---		---		0.376		0.203	0.383		0		---	31
TOTAL	---	---	---	---	4.032	8.419	7.382	12.131	8.122	4.004	---	---	TOTAL
MEAN	---	---	---	---	0.130	0.281	0.237	0.391	0.271	0.129	---	---	MEAN
MAX	---	---	---	---	0.485	1.85	0.394	0.847	0.388	0.385	---	---	MAX
MIN	---	---	---	---	0	0.078	0.082	0.271	0.145	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 1.85 ON JUN 11
MINIMUM DAILY, 0 ON APR 24
MAXIMUM INSTANTANEOUS,
2.73 AT 01:43 MST ON JUN 11

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 08 00 N
LONG 113 15 00 W
DRAINAGE AREA, 32.6 km²
A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	838
FEB	---	AUG	1 080
MAR	---	SEP	702
APR	---	OCT	348
MAY	348	NOV	---
JUN	727	DEC	---

ALBERTA POWER LIMITED COOLING POND OUTLET - STATION NO. 05CG007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0.878	0.823	0.205	0	0.785	---	---	1
2	---	---	0	0	0	0.877	0.831	0.198	0	0.680	---	---	2
3	---	---	0	0	0	0.873	0.836	0.193	0	3.284	---	---	3
4	---	---	0	0	0	0.874	0.841	0.531	0	0	---	---	4
5	---	---	0	0	0	0.871	0.849	0.955	0	0	---	---	5
6	---	---	0	0	0	0.887	0.851	0.950	0	0	---	---	6
7	---	---	0	0	0	0.888	0.888	0.947	0	0	---	---	7
8	---	---	0	0	0	0.888	0.889	0.943	0	0	---	---	8
9	---	---	0	0	0	0.885	0.872	0.941	0	0	---	---	9
10	---	---	0	0	0	0.880	0.880	0.950	0	0	---	---	10
11	---	---	0	0	0	0.867	0.888	0.962	0.047	0	---	---	11
12	---	---	0	0	0	0.858	0.880	0.965	0.178	0	---	---	12
13	---	---	0	0	0	0.857	0.889	0.956	0.502	0	---	---	13
14	---	---	0	0	0	0.838	0.885	0.947	0.814	0	---	---	14
15	---	---	0	0	0	0.842	0.871	0.938	0.822	0	---	---	15
16	---	---	0	0	0	0.843	0.880	0.934	0.801	0	---	---	16
17	---	---	0	0	0	0.838	0.886	0.938	0.788	0	---	---	17
18	---	---	0	0	0.332	0.833	0.892	0.938	0.788	0	---	---	18
19	---	---	0	0	0.609	0.835	0.892	0.943	0.795	0	---	---	19
20	---	---	0	0	0	0.833	0.898	0.941	0.795	0	---	---	20
21	---	OA	0	0	0	0.835	0.901	0.943	0.801	0	---	---	21
22	---	0	0	0	0	0.840	0.905	0.940	0.803	0	---	---	22
23	---	0	0	0	0.222	0.841	0.914	0.813	0.805	0	---	---	23
24	---	0	0	0	0.585	0.848	0.908	0.815	0.802	0	---	---	24
25	---	0	0	0	0.595	0.847	0.901	0.928	0.788	0	---	---	25
26	---	0	0	0	0.598	0.849	0.815	0.905	0.788	0	---	---	26
27	---	0	0	0	0.595	0.834	0.013	0.908	0.787	0	---	---	27
28	---	0	0	0	0.592	0.830	0.093	0.914	0.782	0	---	---	28
29	---		0	0	0.588	0.825	0.212	0.920	0.785	0	---	---	29
30	---		0	0	0.581	0.825	0.213	0.385	0.784	0 A	---	---	30
31	---		0		0.578		0.208	0		0 E		---	31
TOTAL	---	---	0	0	7.947	25.803	23.270	24.943	14.374	1.529	---	---	TOTAL
MEAN	---	---	0	0	0.256	0.860	0.751	0.805	0.479	0.049	---	---	MEAN
MAX	---	---	0	0	0.609	0.878	0.914	0.965	0.822	0.785	---	---	MAX
MIN	---	---	0	0	0	0.825	0.013	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.388
MAXIMUM DAILY, 0.965 ON AUG 12
MINIMUM DAILY, 0 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 25 33 N
LONG 111 48 00 W

A - MANUAL GAUGE

E - ESTIMATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 010
FEB	---	AUG	2 180
MAR	0	SEP	1 240
APR	0	OCT	132
MAY	687	NOV	---
JUN	2 200	DEC	---

TOTAL DISCHARGE, 8 430 dam³

ALKALI CREEK NEAR THE MOUTH - STATION NO. 05CK005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0258	0.007	0	0	0	0	0	---	---	1
2	---	---	0 B	0.0588	0.007	0	0	0	0	0	---	---	2
3	---	---	0 B	0.0198	0.006	0	0	0	0	0	---	---	3
4	---	---	0 B	0.0158	0.006	0	0	0	0	0	---	---	4
5	---	---	0 B	0.0148	0.006	0	0	0	0	0	---	---	5
6	---	---	0 B	0.018	0.006	0	0	0	0	0	---	---	6
7	---	---	0 B	0.018	0.005	0	0	0	0	0	---	---	7
8	---	---	0 B	0.012	0.004	0	0	0	0	0	---	---	8
9	---	---	0 B	0.010	0.003	0	0	0	0	0	---	---	9
10	---	---	0 B	0.009	0.001	0	0	0	0	0	---	---	10
11	---	---	0 B	0.008	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0.011	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0.012	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0.011	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0.010	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0.010	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0.008	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0.007	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0.007	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0.008	0.002	0	0	0	0	0	---	---	20
21	---	---	0 B	0.009	0.003	0	0	0	0	0	---	---	21
22	---	---	0 B	0.011	0.002	0	0	0	0	0	---	---	22
23	---	---	0 B	0.011	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0.009	0.002	0	0	0	0	0	---	---	24
25	---	---	0 B	0.009	0.008	0	0	0	0	0	---	---	25
26	---	---	0 B	0.008	0.008	0	0	0	0	0	---	---	26
27	---	---	0 B	0.008	0.008	0	0	0	0	0	---	---	27
28	---	OB	0 B	0.008	0.003	0	0	0	0	0	---	---	28
29	---		0.0288	0.007	0.002	0	0	0	0	0	---	---	29
30	---		0.0328	0.007	0.001	0	0	0	0	0	---	---	30
31	---		0.0388		0		0	0		0		---	31
TOTAL	---	---	0.095	0.272	0.084	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.003	0.012	0.003	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.038	0.058	0.007	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0.007	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.002
MAXIMUM DAILY, 0.0588 ON APR 2
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.0788 AT 18:21 MST ON APR 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 53 54 N
LONG 110 30 30 W
DRAINAGE AREA, 580 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	8.21	SEP	0
APR	32.1	OCT	0
MAY	7.26	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 47.6 dam³

AMISK CREEK NEAR SHONTS - STATION NO. 05EB016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.1808	0.008	0.026	0.122	0.020	0	0	0.0038	---	1
2	---	---	0 B	0.3008	0.007	0.034	0.067	0.013	0.008	0	0.0018	---	2
3	---	---	0 B	0.5008	0.008	0.031	0.036	0.008	0.240	0	---	---	3
4	---	---	0 B	1.40 B	0.011	0.017	0.022	0.001	0.813	0	---	---	4
5	---	---	0 B	2.38 B	0.011	0.013	0.016	0	0.882	0	---	---	5
6	---	---	0 B	3.14 B	0.012	0.010	0.010	0	0.480	0	---	---	6
7	---	---	0 B	1.48 B	0.014	0.008	0.002	0	0.368	0	---	---	7
8	---	---	0 B	0.887B	0.014	0.001	0.007	0	0.230	0	---	---	8
9	---	---	0 B	0.827B	0.015	0.002	0.004	0	0.180	0	---	---	9
10	---	---	0 B	0.487	0.015	0.003	0.001	0	0.113	0	---	---	10
11	---	---	0 B	0.437	0.015	0.008	0.007	0	0.074	0	---	---	11
12	---	---	0 B	0.588	0.230	0.378	0.008	0	0.088	0	---	---	12
13	---	---	0 B	0.484	0.132	0.178	0.045	0	0.085	0	---	---	13
14	---	---	0 B	0.408	0.080	0.082	0.141	0	0.081	0	---	---	14
15	---	---	0 B	0.327	0.037	0.032	0.203	0	0.083	0.118	---	---	15
16	---	---	0 B	0.278	0.035	0.010	0.112	0	0.080	0.132	---	---	16
17	---	---	0 B	0.323	0.300	0.008	0.050	0	0.047	0.086	---	---	17
18	---	---	0 B	0.367	0.128	0.014	0.028	0	0.045	0.032	---	---	18
19	---	---	0 B	0.242	0.075	0.036	0.008	0	0.042	0.036	---	---	19
20	---	---	0 B	0.188	0.084	0.030	0.024	0	0.038	0.192	---	---	20
21	---	---	0 B	0.127	0.084	0.023	0.017	0	0.038	0.074	---	---	21
22	---	---	0 B	0.108	0.048	0.013	0.007	0	0.032	0.040	---	---	22
23	---	---	0 B	0.118	0.041	0.008	0	0	0.028	0.226	---	---	23
24	---	---	0 B	0.107	0.044	0.004	0	0	0.026	0.088	---	---	24
25	---	---	0 B	0.079	0.048	0.004	C	0	0.021	0.048	---	---	25
26	---	---	0 B	0.082	0.048	0.001	0	0	0.018	0.032	---	---	26
27	---	---	0 B	0.034	0.081	0.015	0	0	0.015	0.023	---	---	27
28	---	---	0 B	0.021	0.048	0.023	0	0	0.009	0.0178	---	---	28
29	---		0 B	0.024	0.042	0.406	0	0	0.006	0.0148	---	---	29
30	---		0 B	0.018	0.033	0.310	0.042	0	0.002	0.0118	---	---	30
31	---		0.0508		0.028		0.043	0		0.0078		---	31
TOTAL	---	---	0.050	16.231	1.887	1.889	1.010	0.040	3.483	1.144	---	---	TOTAL
MEAN	---	---	0.002	0.508	0.054	0.058	0.032	0.001	0.118	0.037	---	---	MEAN
MAX	---	---	0.050	2.38	0.300	0.408	0.203	0.020	0.813	0.226	---	---	MAX
MIN	---	---	0	0.018	0.007	0.001	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.088
MAXIMUM DAILY, 2.388 ON APR 8
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 16 35 N
LONG 112 33 10 W
DRAINAGE AREA, 377 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	87.3
FEB	---	AUG	3.48
MAR	4.33	SEP	302
APR	1 320	OCT	98.8
MAY	148	NOV	---
JUN	144	DEC	---

TOTAL DISCHARGE, 2 110 dam³

AMISK RIVER AT HIGHWAY NO. 38 - STATION NO. 05AA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0088	0.032E	0.228	0.013	0.032	0.003	0.033	0.008	---	1
2	---	---	0 B	0.0078	0.027E	0.338	0.022	0.122	0.003	0.030	0.004	---	2
3	---	---	0 B	0.0118	0.025E	0.178	0.030	0.188	0.008	0.024	0.007	---	3
4	---	---	0 B	0.0208	0.021E	0.088	0.038	0.174	0.004	0.032	0.013	---	4
5	---	---	0 B	0.0308	0.019E	0.044	0.038	0.132	0.004	0.035	0.017	---	5
6	---	---	0 B	0.033B	0.017E	0.028	0.028	0.489	0.010	0.031	0.0288	---	6
7	---	---	0 B	0.038B	0.018E	0.020	0.021	0.341	0.024	0.027	0.0448	---	7
8	---	---	0 B	0.040B	0.018E	0.018	0.047	0.148	0.037	0.076	0.0618	---	8
9	---	---	0 B	0.050B	0.012E	0.038	0.087	0.053	0.040	0.180	0.0618	---	9
10	---	---	0 B	0.080B	0.011E	0.104	0.071	0.020	0.048	0.048	---	---	10
11	---	---	0 B	0.072B	0.010A	0.138	0.058	0.018	0.062	0.018	---	---	11
12	---	---	0 B	0.080B	0.008	0.078	0.084	0.015	0.067	0.006	---	---	12
13	---	---	0 B	0.040B	0.018	0.041	0.043	0.013	0.062	0.003	---	---	13
14	---	---	0 B	0.020B	0.028	0.020	0.024	0.011	0.055	0.002	---	---	14
15	---	---	0 B	0.018B	0.028	0.017	0.018	0.007	0.068	0.001	---	---	15
16	---	---	0 B	0.013B	0.024	0.012	0.008	0.003	0.081	0.002	---	---	16
17	---	---	0 B	0.012B	0.018	0.018	0.008	0.002	0.080	0.002	---	---	17
18	---	---	0 B	0.018B	0.012	0.013	0.013	0.005	0.139	0.002	---	---	18
19	---	---	0 B	0.028B	0.180	0.018	0.004	0.007	0.282	0.002	---	---	19
20	---	---	0 B	0.038B	0.444	0.030	0.003	0.005	0.858	0.002	---	---	20
21	---	---	0 B	0.040A	0.417	0.111	0.014	0.004	0.557	0.003	---	---	21
22	---	0B	0 B	0.038E	0.428	0.836	0.022	0.003	0.184	0.005	---	---	22
23	---	0B	0 B	0.037E	0.442	0.208	0.038	0.004	0.048	0.004	---	---	23
24	---	0B	0 B	0.038A	0.412	0.047	0.068	0.002	0.017	0.011	---	---	24
25	---	0B	0 B	0.038E	0.381	0.008	0.038	0.002	0.008	0.011	---	---	25
26	---	0B	0 B	0.040E	0.380	0.001	0.028	0.002	0.018	0.010	---	---	26
27	---	0B	0 B	0.045A	0.321	0.001	0.024	0.001	0.022	0.008	---	---	27
28	---	0B	0 B	0.040E	0.239	0.002	0.048	0.002	0.018	0.007	---	---	28
29	---		0.001B	0.038E	0.192	0.003	0.041	0.002	0.015	0.024	---	---	29
30	---		0.002B	0.038E	0.185	0.008	0.037	0.005	0.017	0.028	---	---	30
31	---		0.003B		0.182		0.012	0.004		0.011		---	31
TOTAL	---	---	0.006	0.886	4.838	2.684	0.978	1.408	2.888	0.878	---	---	TOTAL
MEAN	---	---	0	0.033	0.148	0.088	0.031	0.058	0.087	0.032	---	---	MEAN
MAX	---	---	0.003	0.073	0.444	0.838	0.087	0.488	0.858	0.180	---	---	MAX
MIN	---	---	0	0.008	0.008	0.001	0.003	0.001	0.003	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.088
MAXIMUM DAILY, 0.838 ON JUN 22
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.48 AT 02:14 MST ON JUN 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 28 20 N
LONG 112 01 00 W
DRAINAGE AREA, 2 810 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	84.3
FEB	---	AUG	156
MAR	0.52	SEP	228
APR	88.4	OCT	88.4
MAY	392	NOV	---
JUN	230	DEC	---

TOTAL DISCHARGE, 1 230 dam³

ATHABASCA RIVER ABOVE JACKFISH CREEK - STATION NO. 07DD007

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	209.470	---	209.807A	209.694	210.826	210.846	210.816	210.888	210.817	210.123	209.722	209.826	1
2	209.471	---	209.684	209.702	210.857	210.870	210.816	210.866	210.848	210.082	209.674	209.867	2
3	209.451	---	209.685	209.708	210.870	210.815	210.828	210.837	210.781	210.093	209.664	209.877	3
4	209.461	---	209.695	209.709	---	210.477	210.722	210.833	210.736	210.102	209.860	209.883	4
5	209.458A	---	209.804	209.709	---	210.430	210.841	210.887	210.695	210.120	209.828	209.895	5
6	---	---	209.807	209.720	---	210.387	210.883	210.874	210.867	210.042	209.821	209.898	6
7	---	---	209.808	209.728	---	---	210.851	210.895	210.853	210.048	209.872	209.841	7
8	---	209.838A	209.811	209.731	---	---	211.040	210.704	210.855	---	209.728	209.828	8
9	---	---	209.816	209.738	---	---	211.077	210.986	210.820	---	209.881	209.807	9
10	---	---	209.821	209.739	---	---	211.028	211.135	210.835	---	209.875	209.804	10
11	---	---	209.824	209.743	210.189A	---	211.018	211.157	210.438	---	209.887	209.818	11
12	---	---	209.824	209.755	210.127	210.823	210.978	211.128	210.428	---	209.634	209.826	12
13	---	---	209.825	209.768	210.086	210.842	210.831	211.108	210.427	---	209.478	209.836	13
14	---	---	209.826	209.780	210.083	210.861	210.834	211.086	210.413	---	209.467	209.838	14
15	---	---	209.827	209.818	210.102	210.877	211.018	211.084	210.382	---	209.481	209.838	15
16	---	209.848A	209.829A	209.850	210.134	210.897	211.108	211.007	210.370	---	209.881	209.841	16
17	---	---	209.828	209.877	210.141	210.807	211.181	210.843	210.418	209.787A	209.872	209.852	17
18	---	---	209.838	209.898	210.147	210.820	211.138	210.860	210.341	209.781	209.870	209.858	18
19	---	---	209.848	209.914	210.188	210.823	211.133	210.737	210.313	209.849	209.835	209.862	19
20	---	---	209.860	209.927	210.213	210.881	211.098	210.718	210.287	209.838	209.498	209.853	20
21	---	---	209.880	209.948	210.231	210.882	211.082	210.880	210.288	209.838	209.488	209.842	21
22	---	---	209.882	209.978	210.268	210.730	211.017	210.878	210.201	209.877	209.477	209.835	22
23	---	---	209.889	210.028	210.308	210.760	210.873	210.883	210.210	209.837	209.488	209.814	23
24	---	---	209.887	210.060	210.404	210.785	210.932	211.085	210.221	209.837	209.904	209.808	24
25	---	---	209.878	210.098	210.488	210.771	210.886	211.087	210.184	209.811	209.474	209.890	25
26	209.847A	---	209.881	210.341	210.649	210.784	210.837	211.058	210.189	209.814	209.448	209.888	26
27	---	---	209.878	210.581	210.731	210.712	210.818	211.088	210.183	209.882	209.452	209.887	27
28	---	---	209.882	210.637	210.707	210.867	210.807	211.088	210.186	209.784	209.488	209.878	28
29	---		209.884	210.713	210.722	210.690	210.797	211.088	210.180	209.785	209.863	209.870	29
30	---		209.888	210.768	210.714	210.535	210.786	211.027	210.233	209.884	209.904	209.885	30
31	---		209.894		210.897		210.712	210.982		209.766		209.811	31
MEAN	---	---	209.839	209.958	---	---	210.911	210.895	210.432	---	209.666	209.829	MEAN
MAX	---	---	209.894	210.768	---	---	211.181	211.157	210.817	---	209.729	209.883	MAX
MIN	---	---	209.684	209.694	---	---	210.816	210.874	210.186	---	209.449	209.878	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 211.157 ON AUG 11

MAXIMUM INSTANTANEOUS,
211.157 AT 12:00 MST ON AUG 11

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 25 00 N
LONG 110 55 00 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

A - MANUAL GAUGE

NATURAL FLOW

DRAINAGE AREA,
159 000 km²

ATHABASCA RIVER AT ATHABASCA - STATION NO. 07BE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	84.1B	73.8B	77.7B	80.2B	328	647	1 180	757	1 030	477	300	131B	1
2	80.4B	58.0B	76.0B	79.0B	329	621	1 130	787	865	483	283	146B	2
3	76.8B	54.8B	76.7B	81.9B	338	615	1 100	810	857	444	285	150B	3
4	80.9B	55.5B	76.4B	83.0B	388	654	1 170	1 150	838	438	277	148B	4
5	82.3B	60.8B	77.1B	85.2B	428	694	1 260	1 770	895	437	277	148B	5
6	82.8B	60.8B	76.0B	88.3B	488	787	1 120	2 280	883	421	284	158B	6
7	87.2B	60.9B	73.8B	95.1B	483	799	1 010	2 280	857	388	288	164B	7
8	82.7B	61.0B	71.2B	98.7B	448	862	974	1 990	838	389	281	166B	8
9	85.4B	56.4B	70.4B	102 B	448	957	982	1 770A	832	379	277	169B	9
10	84.4B	63.4B	72.1B	101 B	479	995	1 050	1 600A	818	378	282	181B	10
11	88.9B	65.3B	72.8B	110 B	823	981	1 820A	1 470A	789	367	250	181B	11
12	82.1B	70.6B	74.0B	115 B	848	1 070	1 820A	1 360A	788	358	255	140B	12
13	83.1B	74.0B	77.1B	120 B	569	1 090	1 800A	1 270A	781	352	254	140B	13
14	82.0B	74.9B	76.8B	125 B	593	1 110	1 760A	1 170A	719	348	225	121B	14
15	89.4B	77.7B	76.0B	135 B	580	1 070	1 690A	1 080A	682	380	206B	120B	15
16	86.8B	79.8B	77.4B	130 B	524	1 070	1 450A	988A	654	374	185B	123B	16
17	84.8B	80.0B	78.2B	125 B	486	1 100	1 390	849	630	368	149B	120B	17
18	84.8B	80.2B	73.7B	135 B	428	1 130	1 370	880	610	350	155B	118B	18
19	85.8B	80.8B	74.1B	165 B	429	1 080	1 340	1 500	599	335	175B	114B	19
20	87.3B	78.2B	73.3B	185 B	478	978	1 250	2 320	613	328	168B	110B	20
21	90.8B	78.0B	74.2B	211 B	858	984	1 180	2 250	831	320	187B	118B	21
22	90.8B	77.0B	75.4B	228 B	1 020	779	1 080	2 030A	808	317	162B	127B	22
23	89.1B	75.2B	75.1B	264 B	978	717	1 060	1 850A	578	313	176B	124B	23
24	88.8B	74.7B	74.8B	280 B	812	667	1 050	1 740A	555	325	172B	118B	24
25	86.2B	76.0B	73.8B	308 B	862	617	1 020	1 680A	548	325	171B	110B	25
26	82.5B	78.3B	73.9B	351	784	808	982	1 530A	533	316	170B	108B	26
27	83.0B	78.2B	75.1B	384	748	640	907	1 380A	524	308	168B	102B	27
28	82.8B	80.5B	75.3B	377	714	683	850	1 270A	518	307	147B	100B	28
29	82.1B		76.8B	366	878	800	783	1 190A	507	308	129B	102B	29
30	83.0B		77.8B	344	822	1 080	764	1 130	469	310	137B	115B	30
31	82.2B		78.0B		577		742	1 070		303		137B	31
TOTAL	2 684.5	2 024.7	2 340.3	5 333.4	17 787	25 373	38 614	45 339	21 385	11 214	6 516	4 097	TOTAL
MEAN	86.6	72.3	75.5	178	574	846	1 180	1 480	713	362	217	132	MEAN
MAX	95.4	80.8	78.0	377	1 020	1 130	1 820	2 320	1 030	477	300	181	MAX
MIN	76.8	54.8	70.4	79.0	328	615	742	757	469	303	137	100	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 498
MAXIMUM DAILY, 2 320 ON AUG 20
MINIMUM DAILY, 54.8B ON FEB 3
MAXIMUM INSTANTANEOUS,
2 390 AT 18:03 MST ON AUG 20

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 43 20 N
LONG 113 17 10 W
DRAINAGE AREA, 74 600 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	232 000	JUL	3 180 000
FEB	175 000	AUG	3 920 000
MAR	202 000	SEP	1 850 000
APR	461 000	OCT	969 000
MAY	1 540 000	NOV	563 000
JUN	2 190 000	DEC	354 000

TOTAL DISCHARGE, 15 600 000 dam³

ATHABASCA RIVER AT HINTON - STATION NO. 07AD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	28.4B	20.7B	23.9B	28.8B	72.3	239	389	389A	293	178	87.8	55.0B	1
2	29.7B	21.0B	21.4B	28.8B	64.9	361	402	431A	276	167	86.0	55.5B	2
3	29.9B	21.3B	21.0B	29.2B	67.5	431	378	524A	268	149	84.0	56.0B	3
4	30.1B	22.0B	21.5B	29.1B	68.3	449	355	504A	259	136	82.4	55.5B	4
5	30.4B	23.0B	22.0B	28.7B	68.3	503	352	578A	255	133	84.9	54.0B	5
6	30.8B	24.0B	23.3B	30.8B	106	591	344	500A	269	133	81.6	53.0B	6
7	30.8B	25.0B	24.6B	32.8B	149	647	333	488A	249	130	79.7	51.0B	7
8	31.0B	26.2B	25.1B	30.8B	186	611	350	452A	252	122	77.0B	45.0B	8
9	31.3B	29.0B	24.7B	31.0B	231	555	424	438A	259	120	74.0B	41.0B	9
10	31.5B	32.0B	22.0B	30.4B	266	566	463	430A	246	118	71.0B	33.5B	10
11	29.9B	31.8B	21.4B	35.8B	283	629	491	406A	233	130	68.0B	34.0B	11
12	28.8B	31.5B	21.2B	44.0B	276	611	497	378A	222	138	66.0B	34.5B	12
13	30.2B	31.3B	21.2B	40.0B	238	627	465	367A	217	130	64.0B	36.2B	13
14	29.7B	31.0B	21.3B	38.2B	186	673	504	388A	218	123	63.5B	37.5B	14
15	27.8B	29.8B	21.4B	46.1B	183	737	563	377A	220	115	65.5B	37.0B	15
16	26.0B	28.0B	21.7B	44.1B	187	744	587	398A	226	108	68.0B	36.0B	16
17	25.1B	27.0B	22.0B	44.3	207	643	576	616A	233	103	71.0B	35.0B	17
18	26.7B	24.8B	22.5B	42.4	223	519	516	617A	220	98.0	72.0B	34.2B	18
19	26.2B	19.5B	23.0B	42.7	215	444	475	595	189	105	71.0B	33.5B	19
20	26.4B	22.1B	23.6B	48.3	193	400	454	565	184	116	68.0B	32.7B	20
21	28.1B	23.1B	24.8B	48.9	188	363	463	540	178	111	64.5B	32.7B	21
22	25.7B	25.5B	25.6B	54.7	152	335	462	530	180	110	63.2B	35.0B	22
23	23.4B	26.7B	26.1B	55.0	139	364	440	515	183	106	61.7B	37.0B	23
24	19.4B	26.7B	26.7B	50.6	135	389	392	487	189	109	60.3B	41.2B	24
25	20.8B	26.2B	26.1B	48.1	138	429	374	419	192	106	58.5B	45.5B	25
26	22.0B	24.0B	27.1B	44.0	132	423	387	382	188	104	57.4B	50.0B	26
27	22.8B	24.5B	27.7B	44.2	136	431	349	368	183	99.6	56.0B	50.0B	27
28	23.0B	26.0B	27.7B	48.1	135	481	364	348	180	97.6	55.0B	49.5B	28
29	23.2B		27.3B	51.4	130	418	378	330	178	90.0	54.5B	49.0B	29
30	22.3B		26.8B	56.6	139	384	381A	314	171	88.2	54.5B	48.0B	30
31	21.0B		26.8B		168		366A	304		88.9		47.5B	31
TOTAL	842.5	724.0	745.4	1 226.4	5 124.1	14 676	13 289	14 318	6 607	3 585.5	2 073.5	1 336.0	TOTAL
MEAN	27.2	25.9	24.0	40.9	165	489	429	462	220	116	69.1	43.1	MEAN
MAX	31.5	32.0	28.8	56.6	283	744	587	617	293	178	88.0	56.0	MAX
MIN	19.4	19.5	21.0	28.7	72.3	239	333	304	171	88.2	54.5	32.7	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 178
MAXIMUM DAILY, 617A ON AUG 18
MINIMUM DAILY, 19.4B ON JAN 24
MAXIMUM INSTANTANEOUS,
649 AT 09:40 MST ON AUG 18

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 24 38 N
LONG 117 35 11 W
DRAINAGE AREA, 9 780 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	72 800	JUL	1 150 000
FEB	62 600	AUG	1 240 000
MAR	64 400	SEP	571 000
APR	106 000	OCT	317 000
MAY	443 000	NOV	179 000
JUN	1 290 000	DEC	115 000

TOTAL DISCHARGE, 5 610 000 dam³

ATHABASCA RIVER BELOW MCMURRAY - STATION NO. 07DA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	137B	141B	132B	131B	475E	1 050	1 130	1 130	1 390	778	518B	285B	1
2	141B	140B	133B	131B	500E	1 010	1 590	1 120	1 310	777	485B	280B	2
3	141B	136B	134B	132B	530E	955	1 780	1 150	1 270	760	482B	270B	3
4	138B	132B	135B	132B	570E	924	1 780	1 180	1 220	749	497B	252B	4
5	136B	130B	135B	133B	600E	890	1 720	1 220	1 190	734	483B	239B	5
6	135B	128B	137B	134B	640E	913	1 810	1 930	1 180	708	487B	228B	6
7	133B	126B	137B	136B	711A	1 010	1 830	2 440	1 120	688	473B	233B	7
8	131B	126B	136B	136B	773	1 130	1 870	2 720	1 100	681	485B	240B	8
9	130B	126B	136B	138B	772	1 150	1 550	2 550	1 080	672	448B	243B	9
10	127B	126B	139B	142B	754	1 190	1 480	2 280	1 050	651	440B	230B	10
11	130B	126B	139B	147B	736	1 280	1 450	2 050	1 030	634	435B	234B	11
12	130B	126B	140B	147B	740	1 310	1 600	1 890	1 020	624	425B	244B	12
13	132B	126B	140B	155B	772	1 290	2 190	1 750	985	618	415B	248B	13
14	135B	126B	139B	160B	795	1 340	2 260	1 630	950	612	405B	264B	14
15	138B	126B	138B	171B	813	1 370	2 200	1 530	889	608	387B	269B	15
16	135B	126B	137B	174B	822	1 370	2 070	1 420	842	602	372B	245B	16
17	134B	126B	135B	200B	839	1 360	1 900	1 330	905	579	358B	232B	17
18	136B	126B	135B	238B	833	1 370	1 770	1 280	879	567	314B	224B	18
19	137B	126B	134B	252B	820	1 410	1 710	1 200	847	595	337B	208B	19
20	136B	126B	133B	258B	858	1 470	1 880	1 200	839	581	324B	196B	20
21	137B	128B	133B	271B	952	1 480	1 650	2 040	826	579	310B	200B	21
22	136B	128B	133B	282B	1 050	1 420	1 580	2 600	818	585	300B	198B	22
23	136B	128B	133B	300B	1 180	1 320	1 450	2 430	843	562	285B	194B	23
24	137B	128B	132B	315B	1 490	1 230	1 380	2 220	848	560	290B	193B	24
25	137B	128B	132B	330E	1 640	1 160	1 360	2 020	823	554	288B	192B	25
26	140B	130B	132B	350E	1 450	1 100	1 380	1 840	787	555	290B	196B	26
27	140B	130B	132B	370E	1 380	1 040	1 380	1 860	780	563	285B	205B	27
28	140B	131B	131B	395E	1 300	958	1 320	1 730	789	557	287B	212B	28
29	140B		131B	425E	1 230	894	1 270	1 600	782	548	300B	205B	29
30	140B		131B	450E	1 180	1 020	1 210	1 500	780	547	300B	201B	30
31	140B		131B		1 100		1 180	1 420		534		197B	31
TOTAL	4 217	3 636	4 180	6 735	28 168	35 584	50 330	54 080	28 336	19 396	11 505	7 062	TOTAL
MEAN	136	130	135	225	909	1 190	1 620	1 740	878	626	384	228	MEAN
MAX	141	141	140	450	1 640	1 480	2 260	2 720	1 390	778	518	285	MAX
MIN	127	126	131	131	475	890	1 130	1 120	782	534	285	192	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 698
MAXIMUM DAILY, 2 720 ON AUG 8
MINIMUM DAILY, 126B ON FEB 7
MAXIMUM INSTANTANEOUS,
2 740 AT 13:51 MST ON AUG 8

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 46 50 N
LONG 111 24 00 W
DRAINAGE AREA, 133 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	364 000	JUL	4 350 000
FEB	314 000	AUG	4 670 000
MAR	361 000	SEP	2 530 000
APR	582 000	OCT	1 680 000
MAY	2 440 000	NOV	994 000
JUN	3 070 000	DEC	610 000

TOTAL DISCHARGE, 22 000 000 dam³

ATHABASCA RIVER NEAR JASPER - STATION NO. 07AA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	14.0 B	8.718	10.28	9.87	38.6	146	218	288	114	78.4	33.5	21.48	1
2	14.0 B	8.728	11.38	9.82	40.2	193	194	316	113	83.4	34.5	21.88	2
3	14.0 B	8.648	12.28	9.40	37.0	206	176	315	111	87.2	33.8	23.28	3
4	14.0 B	8.918	13.08	9.34	38.0	238	178	310	108	84.2	34.1	22.68	4
5	14.0 B	8.978	14.38	8.74	41.4	288	171	278	110	83.1	33.2	21.68	5
6	14.0 B	9.038	14.18	9.85	57.1	336	183	288	102	82.8	32.1	20.68	6
7	14.0 B	9.108	13.48	9.83	82.0	326	170	271	95.6	80.4	31.7	18.88	7
8	14.0 B	9.188	13.08	10.0	85.1	277	224	288	87.6	48.1	30.8	18.78	8
9	14.0 B	9.338	12.88	9.83	104	294	228	267	80.4	47.6	31.0	18.28	9
10	14.0 B	9.388	12.38	10.3	120	318	223	237	84.1	84.8	32.0	17.08	10
11	13.6 B	9.388	12.18	11.1	123	302	235	218	78.8	84.4	30.2	14.28	11
12	13.1 B	9.498	12.38	11.8	104	321	238	217	80.1	87.2	28.88	16.78	12
13	13.3 B	9.808	12.28	12.8	85.5	358	265	224	84.2	83.2	28.68	16.18	13
14	11.3 B	9.888	12.28	13.5	86.5	418	315	232	88.7	48.2	30.48	16.88	14
15	11.1 B	9.848	12.08	16.1	83.4	431	381	230	83.8	46.0	26.08	16.38	15
16	10.7 B	9.448	11.88	17.2	84.0	388	380	243	85.1	39.8	28.28	17.38	16
17	10.3 B	9.888	11.08	16.0	101	276	309	383	81.2	38.4	30.68	17.08	17
18	10.2 B	10.4 B	11.08	16.0	96.0	223	276	288	76.8	43.7	31.48	18.08	18
19	9.888	10.8 B	11.18	17.1	85.2	200	261	261	70.7	46.8	32.88	18.68	19
20	9.898	11.0 B	11.08	18.5	73.9	179	280	257	88.3	44.8	28.78	16.28	20
21	9.728	11.0 B	10.48	22.6	85.8	155	316	288	88.6	44.2	26.28	15.08	21
22	9.188	11.0 B	11.18	23.1	88.8	155	288	274	71.7	46.8	22.88	16.08	22
23	9.188	10.6 B	11.18	21.1	87.3	182	217	239	78.8	44.4	21.88	16.78	23
24	9.408	10.7 B	12.88	19.4	87.6	207	212	208	83.3	43.8	26.48	17.88	24
25	9.388	10.6 B	12.2	18.8	88.0	208	202	188	81.7	44.2	26.08	18.38	25
26	9.888	10.8 B	11.7	19.1	87.8	208	188	173	81.4	42.0	23.38	20.08	26
27	9.118	10.8 B	11.2	18.8	86.0	248	219	161	82.0	40.2	18.48	18.88	27
28	9.308	10.1 B	11.1	20.7	86.8	206	236	147	81.3	37.0	23.08	18.88	28
29	9.308		10.8	23.8	88.7	170	239	134	78.8	36.1	23.88	19.08	29
30	9.408		10.2	28.0	78.2	178	247	126	84.3	37.0	22.98	16.88	30
31	9.898		10.2		87.6		288	123		34.8		16.28	31
TOTAL	343.18	274.21	385.8	483.18	2 276.3	7 818	7 445	7 348	2 844.9	1 490.8	880.7	570.4	TOTAL
MEAN	11.1	9.79	11.8	16.4	73.5	284	240	237	88.2	48.1	28.7	18.4	MEAN
MAX	14.0	11.0	14.3	28.0	123	431	380	383	114	78.4	34.8	23.2	MAX
MIN	8.11	8.71	10.2	8.34	38.0	146	163	123	88.3	34.3	19.4	14.2	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 89.8
MAXIMUM DAILY, 431 ON JUN 15
MINIMUM DAILY, 8.118 ON JAN 27
MAXIMUM INSTANTANEOUS,
483 AT 04:34 MST ON JUN 15

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 54 36 N
LONG 118 03 36 W
DRAINAGE AREA, 3 880 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	29 600	JUL	643 000
FEB	23 700	AUG	635 000
MAR	31 800	SEP	238 000
APR	40 000	OCT	128 000
MAY	187 000	NOV	74 400
JUN	656 000	DEC	49 300

TOTAL DISCHARGE, 3 740 000 dam³

ATHABASCA RIVER NEAR OLD FORT - STATION NO. 07DD011

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	211.588	211.388	211.080	211.046	213.788	213.608	213.148	213.348	213.717	212.411	212.071	212.523	1
2	211.528	211.327	211.081	211.038	213.836	213.485	213.185	213.282	213.592	212.481	212.864	212.588	2
3	211.508	211.342	211.072	211.088	214.112	213.383	213.487	213.184	213.484	212.844	212.885	212.648	3
4	211.474	211.217	211.048	211.087	213.208	213.281	214.103	213.182	213.381	212.529	212.678	212.831	4
5	211.488	211.218	211.078	211.071	213.018	213.218	214.462	213.203	213.312	212.480	212.647	212.671	5
6	211.481	211.232	211.087	211.088	212.908	213.122	214.483	213.283	213.230	212.488	212.834	212.488	6
7	211.481	211.187	211.071	211.078	212.820	213.088	214.488	213.381	213.177	212.407	213.088	212.443	7
8	211.427	211.183	211.071	211.087	212.804	213.088	214.582	214.031	213.148	212.381	213.082	212.408	8
9	211.408	211.183	211.084	211.128	212.829	213.253	214.525	214.826	213.068	212.388	212.838	212.387	9
10	211.348	211.122	211.087	211.141	212.807	213.438	214.321	215.068	213.010	212.385	212.884	212.344	10
11	211.312	211.080	211.070	211.142	212.840	213.512	214.148	215.018	212.883	212.330	212.728	212.353	11
12	211.312	211.071	211.084	211.171	212.823	213.583	214.027	214.788	212.872	212.280	212.680	212.348	12
13	211.301	211.088	211.088	211.238	212.802	213.680	213.823	214.608	212.857	212.213	212.412	212.335	13
14	211.288	211.112	211.088	211.309	212.888	213.878	214.183	214.287	212.818	212.182	212.388	212.326	14
15	211.278	211.108	211.038	211.418	212.902	213.838	214.728	214.071	212.885	212.203	212.478	212.319	15
16	211.288	211.078	211.008	211.800	213.840	213.871	214.828	213.888	212.838	212.183	212.888	212.326	16
17	211.310	211.080	210.983	211.870	213.838	213.884	214.803	213.728	212.817	212.180	212.872	212.333	17
18	211.312	211.040	210.887	211.810	213.832	213.872	214.817	213.676	212.788	212.121	212.818	---	18
19	211.303	211.083	211.038	211.838	213.882	213.858	214.388	213.410	212.735	212.108	212.823	---	19
20	211.288	211.087	211.037	211.721	212.898	213.894	214.235	213.288	212.880	212.114	212.334	---	20
21	211.308	211.070	211.033	211.783	213.048	213.778	214.138	213.208	212.810	212.117	212.283	---	21
22	211.327	211.080	211.035	211.818	213.174	213.698	214.018	213.388	212.868	212.118	212.231	---	22
23	211.308	211.118	211.048	212.047	213.422	213.847	213.830	214.440	212.882	212.112	212.220	---	23
24	211.288	211.104	211.085	212.170	213.818	213.888	213.803	214.818	212.881	212.072	212.218	---	24
25	211.283	211.088	211.088	212.810	213.847	213.783	213.888	214.878	212.898	212.034	212.188	---	25
26	211.284	211.078	211.082	213.181	214.238	213.818	213.884	214.888	212.820	212.031	212.101	---	26
27	211.238	211.087	211.085	213.318	214.280	213.682	213.828	214.482	212.888	211.994	212.138	---	27
28	211.187	211.083	211.032	213.484	214.187	213.384	213.848	214.348	212.827	211.980	212.287	---	28
29	211.203		211.084	213.881	214.080	213.284	213.818	214.212	212.478	211.942	212.440	---	29
30	211.241		211.088	213.811	213.882	213.173	213.828	214.088	212.438	211.952	212.488	---	30
31	211.262		211.044		213.743		213.434	213.882		211.974		---	31
MEAN	211.340	211.128	211.052	211.788	213.324	213.817	214.052	213.980	212.908	212.218	212.528	---	MEAN
MAX	211.588	211.388	211.081	212.811	214.280	213.947	214.428	215.088	213.717	212.844	213.088	---	MAX
MIN	211.187	211.040	210.983	211.038	212.804	213.088	213.148	213.182	212.438	211.942	212.071	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 215.088 ON AUG 10
MINIMUM DAILY, 210.883 ON MAR 17
MAXIMUM INSTANTANEOUS,
215.122 AT 14:00 MST ON AUG 10

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 32 28 N
LONG 111 31 18 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

NATURAL FLOW

DRAINAGE AREA,
188 000 km²

ATHABASCA RIVER NEAR WINDFALL - STATION NO. 07AE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	40.0B	46.0B	140	382	803	499	458	238	126 A	---	1
2	---	---	39.0B	50.0B	175	341	560	521	438	233	---	---	2
3	---	---	36.6B	55.0B	223	459	666	737	416	232	---	---	3
4	---	---	34.6B	55.0B	215	508	807	1 080	400	218	---	---	4
5	---	---	36.6B	56.6B	199	523	822	990	387	206	---	---	5
6	---	---	38.0B	56.0B	181	586	835	830	385	188	---	---	6
7	---	---	37.7B	62.0B	205	682	807	736	383	187	---	---	7
8	---	---	36.9B	64.0B	244	678	823	666	385	183	---	---	8
9	---	---	37.7B	60.0B	285	656	788	643	381	184	---	---	9
10	---	---	37.0B	60.0B	313	692	808	618	380	178	---	---	10
11	42.1B	---	37.0B	58.0B	338	722	788	601	371	178	---	---	11
12	---	---	34.8B	60.0B	368	710	788	658	360	177	---	---	12
13	---	---	33.8B	100 B	363	681	716	618	333	176	---	---	13
14	---	---	36.2B	82.0B	304	693	673	486	323	177	---	---	14
15	---	---	35.3B	100 B	268	728	686	606	318	176	---	---	15
16	---	---	35.7B	103 B	248	772	745	630	318	170	---	---	16
17	---	48.8B	34.2B	86.0B	247	736	745	702	324	161	---	---	17
18	---	---	32.8B	86.0B	286	641	699	1 130	332	162	---	---	18
19	---	---	31.3B	96.0B	321	641	633	1 080	316	161	---	---	19
20	---	---	31.7B	102 B	426	481	683	931	286	143	---	---	20
21	---	---	32.2B	107 B	412	436	676	837	278	150E	---	---	21
22	---	---	32.7B	136 B	384	403	682	788	270	143E	88.3B	---	22
23	---	---	33.0B	130 B	322	380	686	788	270	140E	---	---	23
24	---	---	34.1B	130 B	283	402	644	735	288	138E	---	---	24
25	---	---	34.8B	120 B	276	443	604	658	270	141E	---	---	25
26	43.0B	---	35.2B	111 B	275	485	482	606	270	138E	---	---	26
27	---	---	34.7B	100 B	285	527	456	578	263	136E	---	---	27
28	---	---	35.8B	101 B	280	656	447	546	256	135E	---	---	28
29	---		37.8B	103 B	261	836	467	517	251	134E	---	---	29
30	---		41.0B	123	236	646	480	498	246	130E	---	---	30
31	---		44.0B		233		491	478		128		---	31
TOTAL	---	---	1 107.7	2 880.5	8 521	16 986	18 822	21 400	9 987	5 254	---	---	TOTAL
MEAN	---	---	35.7	88.4	275	566	601	690	332	169	---	---	MEAN
MAX	---	---	44.0	130	426	772	806	1 130	486	238	---	---	MAX
MIN	---	---	31.3	46.0	140	262	447	478	246	128	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 345
MAXIMUM DAILY, 1 130 ON AUG 18
MINIMUM DAILY, 31.3B ON MAR 19
MAXIMUM INSTANTANEOUS,
1 210 AT 19:20 MST ON AUG 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 12 25 N
LONG 118 03 45 W
DRAINAGE AREA, 19 800 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 810 000
FEB	---	AUG	1 850 000
MAR	95 700	SEP	861 000
APR	229 000	OCT	454 000
MAY	736 000	NOV	---
JUN	1 470 000	DEC	---

TOTAL DISCHARGE, 7 310 000 dam³

ATIM CREEK NEAR SPRUCE GROVE - STATION NO. 05EA008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.829B	0.191	0.183	0.285	0.180	0.187	0.110	0.128A	---	1
2	---	---	---	1.22 B	0.182	0.181	0.309	0.171	0.178	0.111	---	---	2
3	---	---	---	0.868B	0.173	0.162	0.322	0.188	0.178	0.111	---	---	3
4	---	---	---	0.853B	0.188	0.130	0.357	0.208	0.170	0.115	---	---	4
5	---	---	---	0.700B	0.185	0.127	0.404	0.178	0.163	0.108	---	---	5
6	---	---	---	0.888	0.180	0.122	0.480	0.148	0.178	0.110	---	---	6
7	---	---	---	0.488	0.178	0.134	0.638	0.127	0.188	0.118	---	---	7
8	---	---	---	0.884	0.178	0.118	1.10	0.147	0.188	0.118	---	---	8
9	---	---	---	0.848	0.180	0.180	1.26	0.122	0.180	0.120	---	---	9
10	---	---	---	0.858	0.202	0.318	1.18	0.105	0.144	0.127	---	---	10
11	---	---	---	0.488	0.248	0.178	1.03	0.094	0.142	0.132	---	---	11
12	---	---	---	0.467	0.228	0.218	0.803	0.118	0.138	0.128	---	---	12
13	---	---	---	0.484	0.188	0.424	0.618	0.148	0.134	0.131	---	---	13
14	---	---	---	0.421	0.188	0.807	0.481	0.178	0.138	0.128	---	---	14
15	---	---	---	0.478	0.177	0.801	0.401	0.204	0.120	0.124	---	---	15
16	---	---	---	0.473	0.183	0.538	0.378	0.284	0.138	0.128	---	---	16
17	---	---	---	0.388	0.188	0.517	0.311	0.318	0.128	0.128	---	---	17
18	---	---	---	0.330	0.183	0.520	0.288	0.380	0.117	0.128	---	---	18
19	---	---	---	0.307	0.577	0.531	0.287	0.317	0.114	0.134	---	---	19
20	---	---	---	0.284	1.68	0.520	0.244	0.301	0.113	0.138	---	---	20
21	---	---	0.0828	0.282	1.02	0.485	0.234	0.282	0.108	0.138	---	---	21
22	---	---	0.0838	0.284	0.881	0.458	0.241	0.273	0.098	0.148	---	---	22
23	---	---	0.0828	0.271	0.381	0.437	0.227	0.303	0.102	0.131	---	---	23
24	---	---	0.0838	0.242	0.428	0.418	0.242	0.271	0.100	0.138	---	---	24
25	---	---	0.0918	0.213	0.381	0.378	0.238	0.284	0.101	0.182	---	---	25
26	---	---	0.0758	0.214	0.348	0.307	0.207	0.238	0.105	0.185	---	---	26
27	---	---	0.0878	0.222	0.245	0.384	0.185	0.210	0.108	0.140	---	---	27
28	---	---	0.0868	0.201	0.210	0.334	0.215	0.188	0.101	0.135	---	---	28
29	---		0.0488	0.188	0.228	0.241	0.185	0.185	0.103	0.128	---	---	29
30	---		0.0848	0.198	0.208	0.243	0.188	0.184	0.107	0.128	---	---	30
31	---		0.8988		0.174		0.174	0.180		0.130		---	31
TOTAL	---	---	---	13.878	8.783	8.728	13.327	8.814	3.870	3.884	---	---	TOTAL
MEAN	---	---	---	0.486	0.318	0.324	0.430	0.210	0.132	0.128	---	---	MEAN
MAX	---	---	---	1.22	1.68	0.538	1.26	0.380	0.187	0.185	---	---	MAX
MIN	---	---	---	0.188	0.180	0.118	0.174	0.084	0.085	0.108	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.288
MAXIMUM DAILY, 1.68 ON MAY 20
MINIMUM DAILY, 0.084 ON AUG 11
MAXIMUM INSTANTANEOUS,
2.188 AT 17:05 MST ON APR 2

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 34 20 N
LONG 113 58 00 W
DRAINAGE AREA, 315 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 180
FEB	---	AUG	563
MAR	---	SEP	343
APR	1 180	OCT	342
MAY	845	NOV	---
JUN	840	DEC	---

TOTAL DISCHARGE, 5 280 dam³

ATIMOSWE CREEK NEAR ELK POINT - STATION NO. 08ED002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.010	0.012	0.007	0.001	0.001	0.001	---	---	1
2	---	---	0B	0.0028	0.007	0.017	0.008	0.001	0.003	0.001	---	---	2
3	---	---	0B	0.0128	0.005	0.018	0.009	0.004	0.002	0.001	---	---	3
4	---	---	0B	0.1488	0.004	0.014	0.008	0.005	0.002	0.001	---	---	4
5	---	---	0B	0.1208	0.004	0.012	0.006	0.003	0.001	0.001	---	---	5
6	---	---	0B	0.0838	0.004	0.010	0.003	0.010	0.001	0.001	---	---	6
7	---	---	0B	0.2088	0.004	0.010	0.003	0.008	0.002	0.001	---	---	7
8	---	---	0B	0.2458	0.005	0.008	0.004	0.008	0.002	0.001	---	---	8
9	---	---	0B	0.2628	0.005	0.013	0.003	0.007	0.004	0.001	---	---	9
10	---	---	0B	0.2598	0.007	0.013	0.007	0.008	0.003	0.001	---	---	10
11	---	---	0B	0.2418	0.008	0.008	0.010	0.003	0.001	0.001	---	---	11
12	---	---	0B	0.2278	0.007	0.007	0.011	0.001	0.001	0.001	---	---	12
13	---	---	0B	0.2038	0.006	0.006	0.011	0.001	0.001	0.001	---	---	13
14	---	---	0B	0.1848	0.005	0.007	0.011	0.001	0.001	0.001	---	---	14
15	---	---	0B	0.1818	0.008	0.004	0.008	0.001	0.001	0.001	---	---	15
16	---	---	0B	0.1418	0.002	0.008	0.007	0.001	0.001	0.001	---	---	16
17	---	---	0B	0.1328	0.002	0.007	0.004	0.001	0.001	0.001	---	---	17
18	---	---	0B	0.1138	0.002	0.006	0.003	0.001	0.001	0.001	---	---	18
19	---	---	0B	0.1068	0.004	0.006	0.003	0.002	0.002	0.001	---	---	19
20	---	---	0B	0.0978	0.004	0.003	0.002	0.002	0.001	0.001	---	---	20
21	---	---	0B	0.0878	0.004	0.004	0.003	0.004	0.001	0.001	---	---	21
22	---	---	0B	0.088	0.003	0.005	0.002	0.003	0.001	0.001	---	---	22
23	---	---	0B	0.086	0.001	0.005	0.001	0.001	0.001	0.001	---	---	23
24	---	---	0B	0.088	0.002	0.005	0.002	0.001	0.001	0.001	---	---	24
25	---	---	0B	0.088	0.002	0.005	0.001	0.001	0.001	0.001	---	---	25
26	---	---	0B	0.078	0.002	0.004	0.001	0.001	0.001	0.0018	---	---	26
27	---	---	0B	0.034	0.003	0.003	0.001	0.001	0.001	0.0018	---	---	27
28	---	0B	0B	0.027	0.003	0.003	0.001	0.001	0.001	0.0028	---	---	28
29	---		0B	0.023	0.002	0.002	0.001	0.002	0.001	0.0028	---	---	29
30	---		0B	0.014	0.004	0.003	0.001	0.003	0.001	0.0018	---	---	30
31	---		0B		0.007		0.003	0.003		0.0018			31
TOTAL	---	---	0	3.488	0.131	0.224	0.143	0.097	0.043	0.033	---	---	TOTAL
MEAN	---	---	0	0.118	0.004	0.007	0.005	0.003	0.001	0.001	---	---	MEAN
MAX	---	---	0	0.262	0.010	0.017	0.011	0.010	0.004	0.002	---	---	MAX
MIN	---	---	0	0	0.001	0.002	0.001	0.001	0.001	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.017
MAXIMUM DAILY, 0.2628 ON APR 9
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.3048 AT 00:15 MST ON APR 10

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 53 10 N
LONG 110 58 10 W
DRAINAGE AREA, 384 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	12.4
FEB	---	AUG	8.38
MAR	0	SEP	3.83
APR	301	OCT	2.85
MAY	11.3	NOV	---
JUN	19.4	DEC	---

TOTAL DISCHARGE, 359 dam³

BABBYTE CREEK NEAR COLINTON - STATION NO. 07CA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0018	0.003	0.010	0.028	0.028	0.448	0.014	0.001	---	1
2	---	---	0 B	0.0028	0.002	0.008	0.118	0.018	0.384	0.001	0.002	---	2
3	---	---	0 B	0.0038	0.002	0.004	0.110	0.008	0.288	0.002	0.002	---	3
4	---	---	0 B	0.0038	0.002	0.003	0.048	0.008	0.184	0.002	0.008	---	4
5	---	---	0 B	0.0048	0.002	0.002	0.022	0.008	0.187	0.002	0.008	---	5
6	---	---	0 B	0.0068	0.002	0.003	0.008	0.007	0.118	0	0.010A	---	6
7	---	---	0 B	0.0048	0.003	0.009	0.004	0.008	0.068	0.001	---	---	7
8	---	---	0 B	0.0038	0.003	0.008	0.026	0.003	0.048	0.001	---	---	8
9	---	---	0 B	0.0088	0.003	0.011	0.048	0.001	0.038	0.008	---	---	9
10	---	---	0 B	0.0208	0.003	0.028	0.081	0.008	0.014	0.008	---	---	10
11	---	---	0 B	0.3508	0.008	0.018	0.028	0.017	0.013	0.002	---	---	11
12	---	---	0 B	0.2948	0.004	0.008	0.014	0.007	0.008	0.001	---	---	12
13	---	---	0 B	0.2408	0.003	0.006	0.008	0.002	0.002	0.001	---	---	13
14	---	---	0 B	0.1808	0.003	0.004	0.008	0.001	0.002	0.001	---	---	14
15	---	---	0 B	0.1368	0.003	0.003	0.004	0	0.001	0.001	---	---	15
16	---	---	0 B	0.1188	0.003	0.003	0.008	0.001	0.005	0.001	---	---	16
17	---	---	0 B	0.1208	0.003	0.003	0.012	0.004	0.004	0.001	---	---	17
18	---	---	0 B	0.1288	0.003	0.003	0.007	0.011	0.218	0.001	---	---	18
19	---	---	0 B	0.1308	0.247	0.003	0.004	0.011	0.838	0.001	---	---	19
20	---	---	0 B	0.1388	0.588	0.003	0.005	0.005	0.480	0.002	---	---	20
21	---	---	0 B	0.0628	0.697	0.381	0.008	0.003	0.340	0.001	---	---	21
22	---	---	0 B	0.0408	0.528	1.45	0.008	0.003	0.240	0.001	---	---	22
23	---	0B	0 B	0.032	0.614	0.868	0.004	0.005	0.158	0.001	---	---	23
24	---	0B	0 B	0.044	0.688	0.708	0.004	0.002	0.053	0	---	---	24
25	---	0B	0 B	0.043	0.427	0.374	0.003	0.001	0.032	0	---	---	25
26	---	0B	0 B	0.038	0.288	0.193	0.470	0.001	0.018	0	---	---	26
27	---	0B	0 B	0.144	0.180	0.040	0.677	0.001	0.010	0.001	---	---	27
28	---	0B	0 B	0.011	0.124	0.014	0.537	0.027	0.001	0.002	---	---	28
29	---		0 B	0.008	0.187	0.008	0.218	0.438	0.001	0.001	---	---	29
30	---		0 B	0.004	0.210	0.008	0.133	0.343	0.002	0.001	---	---	30
31	---		0.0018		0.031		0.084	0.478		0.001			31
TOTAL	---	---	0.001	3.301	4.589	4.222	3.903	1.438	4.080	0.088	---	---	TOTAL
MEAN	---	---	0	0.077	0.148	0.141	0.084	0.048	0.135	0.002	---	---	MEAN
MAX	---	---	0.001	0.350	0.614	1.45	0.677	0.478	0.838	0.014	---	---	MAX
MIN	---	---	0	0.001	0.002	0.002	0.003	0	0.001	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.080
MAXIMUM DAILY, 1.45 ON JUN 22
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.98 AT 13:45 MST ON APR 27

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 38 10 N
LONG 113 04 45 W
DRAINAGE AREA, 223 km²

A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	281
FEB	---	AUG	124
MAR	0.09	SEP	380
APR	189	OCT	5.01
MAY	388	NOV	---
JUN	385	DEC	---

TOTAL DISCHARGE, 1 880 dam³

BAPTISTE LAKE NEAR ATHABASCA - STATION NO. 07DE002

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	578.481	578.338	578.328	578.288	578.280	---	---	1
2	---	---	---	---	---	578.481	578.342	578.328	578.304	578.288	---	---	2
3	---	---	---	---	---	578.488	578.338	578.338	578.304	578.288	---	---	3
4	---	---	---	---	---	578.481	578.340	578.328	578.308	578.288	---	---	4
5	---	---	---	---	---	578.488	578.338	578.328	578.304	578.284	---	---	5
6	---	---	---	---	---	578.481	578.328	578.328	578.304	578.284	---	---	6
7	---	---	---	---	---	578.448	578.328	578.318	578.304	578.282	---	---	7
8	---	---	---	---	578.381	578.441	578.324	578.311	578.300	578.282	---	---	8
9	---	---	---	---	578.338	578.438	578.348	578.311	578.288	578.282	---	---	9
10	---	---	---	---	578.328	578.438	578.394	578.308	578.288	578.282	---	---	10
11	---	---	---	---	578.328	578.428	578.388	578.308	578.288	578.280	---	---	11
12	---	---	---	---	578.324	578.424	578.384	578.308	578.280	578.280	---	---	12
13	---	---	---	---	578.318	578.422	578.384	578.301	578.280	578.278	---	---	13
14	---	---	---	---	578.308	578.408	578.382	578.284	578.288	578.280	---	---	14
15	---	---	---	---	578.288	578.402	578.348	578.288	578.288	578.280	---	---	15
16	---	---	---	---	578.278	578.388	578.348	578.288	578.288	578.280	---	---	16
17	---	---	---	---	578.308	578.388	578.382	578.288	578.288	578.280	---	---	17
18	---	---	---	---	578.278	578.378	578.348	578.288	578.288	578.280	---	---	18
19	---	---	---	---	---	578.374	578.338	578.282	578.284	578.280	---	---	19
20	---	---	---	---	---	578.378	578.338	578.278	578.280	578.280	---	---	20
21	---	---	---	---	578.388	578.378	578.348	578.278	578.288	578.280	---	---	21
22	---	---	---	---	578.408	578.378	578.388	578.274	578.288	578.280	---	---	22
23	---	578.284	---	---	578.428	578.378	578.382	578.282	578.288	578.280	---	---	23
24	---	---	---	---	578.438	578.378	578.348	578.284	578.288	578.282	---	---	24
25	---	---	---	---	578.438	578.371	578.344	578.282	578.288	578.288	---	---	25
26	---	---	---	---	578.444	578.388	578.344	578.282	578.288	578.428	---	---	26
27	---	---	---	---	578.451	578.388	578.338	578.280	578.288	578.408	---	---	27
28	---	---	---	---	578.458	578.388	578.340	578.277	578.288	578.388	---	---	28
29	---	---	---	---	578.458	578.348	578.340	578.278	578.288	578.388	---	---	29
30	---	---	---	---	578.454	578.348	578.342	578.278	578.288	578.388	---	---	30
31	---	---	---	---	578.458		578.340	578.288		578.348	---	---	31
MEAN	---	---	---	---	---	578.405	578.362	578.297	578.294	578.305	---	---	MEAN
MAX	---	---	---	---	---	578.488	578.388	578.338	578.308	578.428	---	---	MAX
MIN	---	---	---	---	---	578.348	578.328	578.274	578.288	578.278	---	---	MIN

SUMMARY FOR THE YEAR 1989

WATER LEVELS IN METRES

MAXIMUM DAILY, 578.488 ON JUN 3

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 44 14 N
LONG 113 31 51 W

DRAINAGE AREA, 303 km²

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

BAPTISTE RIVER NEAR THE MOUTH - STATION NO. 05DC012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR		MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.810E	0.680E	0.570E	0.540E		11.7	5.59	16.3	3.80	18.7	4.86	9.88	5.04	1
2	0.800E	0.640E	0.580E	0.510E		12.5	4.88	14.2	13.8	21.6	4.78	8.88	4.91	2
3	0.800E	0.620E	0.580E	0.650E		13.2	4.53	11.1	107	30.3	4.69	8.48	4.78	3
4	0.800E	0.610E	0.580E	0.710E		12.5	4.10	8.46	118	30.6	4.81	8.62	4.64	4
5	0.800E	0.600E	0.600E	0.808E		11.7	3.73	7.80	71.6	23.7	4.87	8.88	4.32	5
6	0.800E	0.580E	0.610E	0.840E		10.8	3.35	7.38	45.9	20.0	4.80	8.72	4.23	6
7	0.810E	0.570E	0.620E	0.711E		10.7	3.03	6.84	32.8	18.0	4.83	7.61E	3.88	7
8	0.810E	0.570E	0.630E	0.984E		9.98	2.92	6.46	27.1	18.5	4.80	6.78E	4.05	8
9	0.820E	0.580E	0.620E	1.24	E	9.22	2.84	11.0	22.9	20.5	4.85	6.07E	3.72	9
10	0.810E	0.550E	0.610E	2.06	E	8.17	2.97	13.6	18.6	19.2	5.04	5.43E	3.88	10
11	0.820E	0.550E	0.600E	3.98	E	7.24	3.31	27.7	16.7	17.1	5.87	5.08E	3.24E	11
12	0.850E	0.540E	0.570E	5.01	E	7.13	3.50	46.1	13.7	15.1	9.31	4.68E	3.12E	12
13	0.870E	0.550E	0.580E	13.7	E	6.81	3.26	31.2	10.6	13.3	9.80	3.78E	3.90E	13
14	0.880E	0.550E	0.532E	14.0	E	6.12	2.89	22.4	8.81	11.8	10.8	3.88E	3.78E	14
15	0.700E	0.560E	0.520E	14.3	E	5.84	2.75	18.2	7.88	10.4	11.4	8.00E	3.88E	15
16	0.710E	0.570E	0.480E	13.3	E	5.19	3.04	14.8	7.88	9.87	11.2	8.47E	4.01E	16
17	0.720E	0.570E	0.480E	9.73	E	4.87	7.27	14.6	18.5	9.28	10.0	7.52E	3.64E	17
18	0.730E	0.560E	0.470E	9.88	E	7.09	12.6	12.3	27.6	8.48	8.82	7.08E	3.52E	18
19	0.730E	0.580E	0.480E	9.20	E	7.10	10.6	8.71	24.0	8.48	8.18	6.85E	3.08E	19
20	0.740E	0.590E	0.480E	8.50	E	12.3	7.88	7.47	19.9	9.28	7.83	6.45E	3.00E	20
21	0.740E	0.600E	0.440E	10.5	E	12.6	8.29	7.88	17.9	8.87	7.89	6.02E	2.98E	21
22	0.740E	0.617E	0.440E	12.0	E	10.7	5.87	9.48	25.1	7.82	7.48	5.85E	3.08E	22
23	0.730E	0.630E	0.440E	13.5	E	8.68	4.81	9.38	27.6	7.28	8.78	5.78E	3.16E	23
24	0.730E	0.620E	0.460E	18.3	E	8.93	4.38	7.70	22.7	7.02	8.22	5.88E	3.20E	24
25	0.730E	0.610E	0.480E	18.2	E	8.28	4.18	6.58	18.2	6.80	20.8	5.80E	3.10E	25
26	0.720E	0.600E	0.470E	15.4	E	8.81	4.39	5.80	16.0	8.34	23.1	5.35E	3.00E	26
27	0.720E	0.580E	0.480E	14.0		8.81	17.3	5.01	13.5	8.84	22.1	5.25E	2.90E	27
28	0.710E	0.580E	0.480E	12.8		8.81	38.1	4.88	12.8	8.58	17.8	5.07E	2.80E	28
29	0.700E		0.480E	11.8		7.83	25.8	4.24	12.3	8.30	16.0	4.88E	2.70E	29
30	0.680E		0.520E	11.3		7.01	19.8	4.00	12.3	8.88	12.8	8.19E	2.80E	30
31	0.670E		0.540E			8.18		3.87	13.1		11.7		2.30E	31
TOTAL	20.91E	18.46E	18.37E	248.90E		275.40	222.42	373.80	805.78	402.07	299.82	193.31	110.47	TOTAL
MEAN	0.675	0.588	0.536	8.30		8.88	7.41	12.1	28.0	13.4	8.84	6.44	3.56	MEAN
MAX	0.740	0.680	0.630	18.3		13.2	38.1	46.1	118	30.6	23.1	9.88	5.04	MAX
MIN	0.800	0.540	0.440	0.580		4.87	2.75	3.87	3.80	4.88	4.81	3.78	2.30	MIN

SUMMARY FOR THE YEAR 1989

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.17
MAXIMUM DAILY, 118 ON AUG 4
MINIMUM DAILY, 0.440E ON MAR 21
MAXIMUM INSTANTANEOUS,
142 AT 19:38 MST ON AUG 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 38 54 N
LONG 115 04 27 W
DRAINAGE AREA, 1 350 km²

E - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 810	JUL	33 380
FEB	1 420	AUG	88 800
MAR	1 410	SEP	34 700
APR	21 500	OCT	25 800
MAY	23 800	NOV	16 700
JUN	18 200	DEC	9 540

TOTAL DISCHARGE, 257 000 dam³

REMARKS - PEAK FLOW WAS NOT METERED AND THEREFORE NOT WELL DEFINED

BARE CREEK RESERVOIR NEAR ELKWATER - STATION NO. 11AB034

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1133.804	1134.004	1134.888	1134.895	1134.948	1134.317	1134.208	1134.144	---	---	1
2	---	---	1133.804	1134.048	1134.888	1134.888	1134.935	1134.303	1134.203	1134.138	---	---	2
3	---	---	1133.805	1134.082	1134.884	1134.888	1134.932	1134.288	1134.202	1134.132	---	---	3
4	---	---	1133.802	1134.105	1134.881	1134.883	1134.928	1134.285	1134.204	1134.128	---	---	4
5	---	---	1133.801	1134.122	1134.873	1134.883	1134.919	1134.282	1134.198	1134.127	---	---	5
6	---	---	1133.805	1134.145	1134.872	1134.878	1134.917	1134.281	1134.198	1134.124	---	---	6
7	---	---	1133.809	1134.178	1134.872	1134.877	1134.914	1134.278	1134.190	1134.119	---	---	7
8	---	---	1133.808	1134.198	1134.872	1134.873	1134.908	1134.275	1134.185	1134.121	---	---	8
9	---	---	1133.804	1134.207	1134.881	1134.868	1134.885	1134.275	1134.180	1134.121	---	---	9
10	---	---	1133.811	1134.213	1134.896	1134.870	1134.891	1134.268	1134.177	1134.118	---	---	10
11	---	---	1133.811	1134.238	1134.894	1134.885	1134.888	1134.269	1134.173	1134.115	---	---	11
12	---	---	1133.814	1134.288	1134.948	1134.947	1134.888	1134.262	1134.173	1134.114	---	---	12
13	---	---	1133.818	1134.388	1134.938	1134.[illegible]9	1134.878	1134.258	1134.173	1134.111	---	---	13
14	---	---	1133.815	1134.477	1134.933	1134.978	1134.887	1134.250	1134.173	1134.107	---	---	14
15	---	---	1133.815	1134.580	1134.931	1134.976	1134.883	1134.242	1134.174	1134.105	---	---	15
16	---	---	1133.812	1134.657	1134.931	1134.970	1134.883	1134.243	1134.170	1134.103	---	---	16
17	---	---	1133.811	1134.689	1134.923	1134.958	1134.882	1134.238	1134.168	1134.097	---	---	17
18	---	---	1133.809	1134.686	1134.916	1134.952	1134.882	1134.231	1134.178	1134.095	---	---	18
19	---	---	1133.814	1134.723	1134.907	1134.945	1134.881	1134.226	1134.178	1134.089	---	---	19
20	---	---	1133.813	1134.788	1134.902	1134.937	1134.873	1134.222	1134.178	1134.087	---	---	20
21	---	---	1133.814	1134.810	1134.788	1134.938	1134.863	1134.221	1134.171	1134.088	---	---	21
22	---	1133.812A	1133.813	1134.851	1134.788	1134.948	1134.780	1134.218	1134.169	1134.088	---	---	22
23	---	1133.818	1133.818	1134.872	1134.782	1134.948	1134.680	1134.208	1134.184	1134.094	---	---	23
24	---	1133.817	1133.817	1134.873	1134.788	1134.938	1134.588	1134.206	1134.184	1134.091	---	---	24
25	---	1133.814	1133.818	1134.872	1134.820	1134.982	1134.483	1134.221	1134.181	1134.087	---	---	25
26	---	1133.814	1133.815	1134.878	1134.808	1134.983	1134.385	1134.221	1134.180	1134.088	---	---	26
27	---	1133.818	1133.821	1134.888	1134.805	1134.986	1134.330	1134.220	1134.180	1134.081	---	---	27
28	---	1133.809	1133.848	1134.895	1134.828	1134.969	1134.338	1134.217	1134.188	1134.077	---	---	28
29	---		1133.880	1134.892	1134.890	1134.981	1134.332	1134.212	1134.183	1134.074	---	---	29
30	---		1133.918	1134.888	1134.878	1134.986	1134.320	1134.211	1134.184	1134.072	---	---	30
31	---		1133.958		1134.886		1134.319	1134.210		1134.088A		---	31
MEAN	---	---	1133.822	1134.517	1134.868	1134.867	1134.752	1134.247	1134.178	1134.104	---	---	MEAN
MAX	---	---	1133.958	1134.888	1134.888	1134.986	1134.948	1134.317	1134.208	1134.144	---	---	MAX
MIN	---	---	1133.801	1134.004	1134.782	1134.937	1134.319	1134.208	1134.183	1134.088	---	---	MIN

SUMMARY FOR THE YEAR 1989

WATER LEVELS IN METRES

MAXIMUM DAILY, 1134.986 ON MAY 31
MINIMUM DAILY, 1133.801 ON MAR 5
MAXIMUM INSTANTANEOUS,
1135.033 AT 17:50 CST ON JUN 1

WATER LEVELS ARE REFERRED TO TOPOGRAPHIC SURVEY DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 38 08 N
LONG 110 33 45 W

A - MANUAL GAUGE

REGULATED

DRAINAGE AREA,
24.1 km²

BARRIER LAKE NEAR SEEBE - STATION NO. 05BP034

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1374.30	1373.20	1389.80	1388.80	1371.80	1371.80	1373.80	1374.80	1375.20	1375.40	1378.10	1378.20	1
2	1374.10	1373.00	1389.40	1388.80	1371.80	1371.80	1374.10	1374.80	1375.10	1375.20	1375.20	1375.20	2
3	1374.00	1372.70	1389.30	1388.80	1372.20	1371.70	1374.20	1374.80	1375.00	1375.10	1376.40	1376.00	3
4	1374.10	1372.80	1388.30	1387.10	1372.40	1371.60	1374.20	1375.10	1374.90	1375.00	1375.30	1376.20	4
5	1374.20	1372.60	1388.10	1387.30	1372.80	1371.70	1374.20	1375.20	1375.10	1374.80	1375.20	1375.10	5
6	1374.30	1372.10	1388.70	1387.80	1372.80	1371.80	1374.20	1378.10	1375.20	1374.80	1375.00	1375.30	6
7	1374.20	1371.80	1388.80	1387.80	1373.20	1371.80	1374.20	1376.00	1375.20	1376.00	1375.10	1376.20	7
8	1374.00	1371.80	1388.30	1387.60	1373.80	1371.90	1374.20	1374.80	1375.20	1375.10	1375.10	1373.20	8
9	1373.70	1371.80	1388.10	1387.90	1373.70	1371.80	1374.30	1374.80	1375.20	1375.00	1375.20	1375.10	9
10	1373.80	1371.80	1387.80	1388.10	1373.70	1372.10	1374.30	1374.70	1375.20	1375.00	1375.30	1375.00	10
11	1373.80	1371.80	1387.80	1388.20	1373.80	1372.20	1374.20	1374.80	1375.10	1375.10	1375.40	1374.80	11
12	1373.80	1371.80	1388.80	1388.40	1373.80	1372.20	1374.20	1374.70	1375.10	1375.30	1375.40	1374.80	12
13	1373.80	1371.20	1387.30	1388.60	1373.40	1372.20	1374.30	1374.80	1375.00	1375.30	1375.20	1376.00	13
14	1373.80	1371.20	1387.00	1388.70	1373.40	1372.30	1374.30	1375.00	1375.00	1375.30	1375.40	1376.20	14
15	1373.80	1371.00	1386.70	1388.80	1373.10	1372.20	1374.40	1375.00	1374.80	1375.20	1376.40	1376.30	15
16	1373.80	1370.80	1388.80	1388.00	1372.80	1372.80	1374.80	1375.30	1374.80	1375.10	1375.20	1375.30	16
17	1373.80	1370.80	1388.20	1388.20	1372.80	1372.80	1374.40	1375.40	1375.00	1375.10	1375.30	1375.20	17
18	1373.80	1371.00	1388.20	1388.30	1372.80	1372.50	1374.80	1375.30	1375.00	1375.10	1375.20	1375.10	18
19	1373.70	1371.00	1388.30	1388.80	1372.80	1372.40	1374.70	1375.20	1374.80	1375.20	1375.10	1375.20	19
20	1373.70	1370.80	1388.00	1388.80	1372.80	1372.40	1374.70	1375.20	1375.00	1375.30	1374.80	1375.20	20
21	1373.80	1370.80	1388.00	1388.80	1372.40	1372.80	1374.70	1375.10	1375.10	1375.20	1375.20	1375.20	21
22	1373.80	1370.50	1388.00	1370.00	1372.20	1372.80	1374.80	1375.00	1375.10	1375.40	1375.40	1375.40	22
23	1373.80	1370.40	1388.10	1370.20	1372.20	1372.80	1374.80	1375.00	1375.10	1374.80	1375.40	1375.40	23
24	1373.70	1370.30	1388.00	1370.40	1372.20	1372.70	1374.80	1375.00	1375.10	1374.80	1375.40	1375.40	24
25	1373.70	1370.30	1388.80	1370.80	1372.20	1372.80	1374.80	1375.00	1375.10	1374.80	1375.30	1375.30	25
26	1373.70	1370.20	1388.70	1370.80	1372.20	1373.00	1374.80	1375.20	1375.10	1375.00	1375.10	1375.20	26
27	1373.70	1388.80	1388.80	1370.90	1372.20	1373.10	1374.70	1375.20	1375.00	1375.10	1374.80	1375.20	27
28	1373.70	1388.70	1388.80	1371.10	1372.00	1373.30	1374.80	1375.20	1375.10	1375.20	1375.00	1375.40	28
29	1373.80		1388.00	1371.20	1371.70	1373.70	1374.80	1375.20	1375.20	1375.00	1375.10	1375.60	29
30	1373.80		1388.20	1371.40	1371.80	1373.80	1374.80	1375.20	1375.30	1374.80	1378.10	1375.70	30
31	1373.40		1388.40		1371.80		1374.80	1375.30		1374.80		1375.70	31
MEAN	1373.77	1371.28	1387.11	1388.88	1372.83	1372.39	1374.49	1375.04	1375.08	1375.22	1376.25	1376.25	MEAN
MAX	1374.30	1373.20	1389.80	1371.40	1373.80	1373.80	1374.80	1376.40	1375.30	1375.40	1376.70	1376.70	MAX
MIN	1373.40	1388.70	1386.80	1388.80	1371.80	1371.80	1373.80	1374.80	1374.80	1374.80	1374.80	1374.80	MIN

SUMMARY FOR THE YEAR 1989

WATER LEVELS IN METRES

MEAN, 1373.04
MAXIMUM DAILY, 1378.70 ON DEC 30
MINIMUM DAILY, 1388.80 ON MAR 27

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 01 59 N
LONG 115 02 28 W
DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED

DRAINAGE AREA,
695 km²

BATTERSEA DRAIN NEAR THE MOUTH - STATION NO. 05AD038

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.017	0.260	0.585	0.547	0.528	0.405	---	---	1
2	---	---	---	---	0.017	0.299	0.388	0.477	0.478	0.436	---	---	2
3	---	---	---	---	0.018	0.271	0.288	0.587	0.431	0.444	---	---	3
4	---	---	---	---	0.014	0.283	0.056	0.417	0.387	0.453	---	---	4
5	---	---	---	---	0.011	0.287	0.072	0.341	0.410	0.414	---	---	5
6	---	---	---	---	0.012	0.285	0.108	0.585	0.313	0.554	---	---	6
7	---	---	---	---	0.010	0.267	0.102	0.564	0.281	0.590	---	---	7
8	---	---	---	---	0.015	0.143	0.048	0.424	0.221	0.740	---	---	8
9	---	---	---	---	0.012	0.202	0.135	0.287	0.214	0.681	---	---	9
10	---	---	---	---	0.013	0.337	0.298	0.278	0.245	0.899	---	---	10
11	---	---	---	---	0.027	0.585	0.287	0.350	0.241	0.885	---	---	11
12	---	---	---	---	0.100	0.437	0.278	0.167	0.228	0.817	---	---	12
13	---	---	---	---	0.127	0.298	0.337	0.835	0.229	0.498	---	---	13
14	---	---	---	---	0.158	0.217	0.758	0.891	0.141	0.330	---	---	14
15	---	---	---	---	0.172	0.152	0.487	0.488	0.142	0.108	---	---	15
16	---	---	---	---	0.151	0.107	0.548	0.441	0.144	0.053	---	---	16
17	---	---	---	---	0.222	0.147	0.484	0.378	0.208	0.032	---	---	17
18	---	---	---	---	0.231	0.178	0.302	0.282	0.262	0.028	---	---	18
19	---	---	---	---	0.230	0.088	0.332	0.318	0.228	0.024	---	---	19
20	---	---	---	---	0.087	0.098	0.280	0.832	0.188	0.043	---	---	20
21	---	---	---	---	0.018	0.038	0.152	0.802	0.233	0.035	---	---	21
22	---	---	---	---	0.047	0.083	0.082	0.348	0.288	0.022	---	---	22
23	---	---	---	---	0.087	0.433	0.238	0.118	0.284	0.020	---	---	23
24	---	---	---	---	0.238	0.277	0.378	0.273	0.288	0.020	---	---	24
25	---	---	---	---	0.401	0.458	0.481	0.318	0.184	0.018	---	---	25
26	---	---	---	0.031A	0.182	0.343	0.518	0.307	0.188	0.018	---	---	26
27	---	---	---	0.031	0.134	0.341	0.437	0.284	0.040	0.018	---	---	27
28	---	---	---	0.027	0.440	0.381	0.888	0.838	0.182	0.017	---	---	28
29	---		---	0.023	0.804	0.388	0.580	0.824	0.238	0.018	---	---	29
30	---		---	0.021	0.385	0.580	0.340	0.704	0.282	0.018	---	---	30
31	---		---		0.288		0.883	0.888		0.022A		---	31
TOTAL	---	---	---	---	4.385	8.202	10.834	13.838	7.711	8.420	---	---	TOTAL
MEAN	---	---	---	---	0.141	0.273	0.338	0.438	0.257	0.272	---	---	MEAN
MAX	---	---	---	---	0.804	0.588	0.758	0.838	0.528	0.899	---	---	MAX
MIN	---	---	---	---	0.010	0.038	0.048	0.118	0.080	0.018	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.287
MAXIMUM DAILY, 0.899 ON OCT 10
MINIMUM DAILY, 0.010 ON MAY 7

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 52 20 N
LONG 112 36 00 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	908
FEB	---	AUG	1 170
MAR	---	SEP	888
APR	---	OCT	727
MAY	378	NOV	---
JUN	708	DEC	---

TOTAL DISCHARGE, 4 880 dam³

BATTLE RIVER NEAR FORESTBURG - STATION NO. 05FC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0388	5.448	20.1	7.03	4.43	0.792	0.041	0.590	---	---	1
2	---	---	0.0368	4.888	18.0	7.33	2.88	0.745	0.038	0.671	---	---	2
3	---	---	0.0308	3.918	16.3	7.34	2.60	0.686	0.481	0.637	---	---	3
4	---	---	0.0288	3.148	17.8	7.08	2.77	0.813	0.888	0.788	---	---	4
5	---	---	0.0288	2.808	16.3	6.82	2.84	0.883	0.845	0.817	---	---	5
6	---	---	0.0388	2.888	15.3	6.07	2.80	0.835	0.881	0.883	---	---	6
7	---	---	0.0368	3.208	14.1	5.08	2.40	0.488	0.838	0.452	---	---	7
8	---	---	0.0308	4.078	13.4	5.08	2.31	0.882	0.809	0.488	---	---	8
9	---	---	0.0328	5.008	13.0	5.48	2.30	0.847	0.881	0.844	---	---	9
10	---	---	0.0328	6.888	10.1	5.17	2.88	0.832	0.934	0.883	---	---	10
11	---	---	0.0308	7.138	8.38	5.17	5.84	0.828	0.840	0.388	---	---	11
12	---	---	0.0288	8.388	10.8	5.18	4.72	0.488	0.771	0.177	---	---	12
13	---	---	0.0328	8.188	10.2	4.81	3.81	0.588	0.832	0.072	---	---	13
14	---	---	0.0308	7.778	9.01	4.12	3.06	0.548A	0.828	0.388	---	---	14
15	---	---	0.0308	8.338	8.11	3.81	2.88	0.268A	0.342	0.822	---	---	15
16	---	---	0.0188	10.8	7.44	3.87	3.22	0.482	0.218	0.888	---	---	16
17	---	---	0.0188	12.7	7.18	4.38	3.22	0.838	0.171	0.838	---	---	17
18	---	---	0.0188	14.5	7.18	4.34	2.30	0.480	0.330	0.480	---	---	18
19	---	---	0.0178	16.3	8.77	3.98	1.87	0.380	0.128	0.381	---	---	19
20	---	---	0.0118	18.2	8.73	3.70	1.78	0.380	0.231	0.387	---	---	20
21	---	---	0.0138	17.3	8.88	3.70	1.87	0.410	0.248	0.411	---	---	21
22	---	0.0738	0.0208	16.8	7.44	3.88	1.88	0.387	0.120	0.384	---	---	22
23	---	0.0788	0.0228	20.4	8.40	3.48	1.43	0.188	0.124	0.280	---	---	23
24	---	0.0708	0.0308	21.3	8.78	3.28	1.31	0.131	0.228	0.282	---	---	24
25	---	0.0848	0.0328	21.8	8.13	3.13	1.18	0.077	0.288	0.227	---	---	25
26	---	0.0588	0.0348	22.0	8.38	2.72	1.18	0.078	0.553	0.208	---	---	26
27	---	0.0508	0.0408	21.8	8.24	3.18	1.18	0.080	0.887	0.183	---	---	27
28	---	0.0408	0.0538	21.8	8.78	3.82	1.18	0.084	0.888	0.188	---	---	28
29	---		0.1808	21.8	8.78	3.83	1.10	0.080	0.783	0.148	---	---	29
30	---		1.13 B	21.0	8.44	2.88	1.08	0.088	0.780	0.108	---	---	30
31	---		3.12 B		8.82		0.917	0.077		0.088A		---	31
TOTAL	---	---	5.158	380.48	314.87	138.88	72.187	12.012	18.104	12.382	---	---	TOTAL
MEAN	---	---	0.188	12.8	10.2	4.88	2.33	0.387	0.803	0.400	---	---	MEAN
MAX	---	---	3.12	22.8	20.1	7.34	5.84	0.792	0.881	0.837	---	---	MAX
MIN	---	---	0.011	2.88	8.78	2.88	0.917	0.078	0.038	0.072	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.80
MAXIMUM DAILY, 22.0 ON APR 28
MINIMUM DAILY, 0.0118 ON MAR 20
MAXIMUM INSTANTANEOUS,
23.1 AT 10:38 MST ON APR 28

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 34 28 N
LONG 112 20 28 W
DRAINAGE AREA, 7 880 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1973

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	8 240
FEB	---	AUG	1 040
MAR	448	SEP	1 300
APR	31 100	OCT	1 070
MAY	27 200	NOV	---
JUN	12 100	DEC	---

TOTAL DISCHARGE, 80 800 dam³

BATTLE RIVER NEAR PONOKA - STATION NO. 05PA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.2268	0.1888	0.0858	0.6308	3.83	3.38	0.834	0.410	0.888	0.531	1.52	0.8618	1
2	0.2288	0.1888	0.0898	0.8748	3.88	3.08	0.780	0.448	1.07	0.434	1.22	0.7638	2
3	0.2288	0.1938	0.1028	4.14 B	3.63	2.78	0.885	0.524	1.22	0.418	1.21	0.7718	3
4	0.2308	0.2108	0.1088	7.82 B	3.43	2.58	0.850	0.821	1.13	0.408	1.26	0.7638	4
5	0.2278	0.2008	0.1088	11.4 B	3.18	2.41	0.831	0.588	1.06	0.437	1.28	0.7448	5
6	0.2328	0.1848	0.1048	16.1 B	3.00	2.23	0.810	0.815	0.918	0.478	1.31	0.8508	6
7	0.2318	0.1838	0.0858	18.7 B	2.82	2.01	0.891	1.01	0.782	0.448	1.38	0.8288	7
8	0.2468	0.1678	0.0858	16.7 B	2.68	1.87	0.888	1.11	0.888	0.428	1.30	0.8368	8
9	0.2558	0.1388	0.0768	13.3 B	2.57	1.84	0.804	1.08	0.852	0.484	1.23	0.8288	9
10	0.2368	0.1238	0.0818	13.8 B	2.81	2.00	0.837	1.01	0.826	0.801	1.21	0.4878	10
11	0.2198	0.1118	0.0848	14.8	2.48	2.38	0.881	0.832	0.588	0.518	1.08	0.4818	11
12	0.2008	0.1048	0.0858	20.0	2.83	2.18	0.888	0.845	0.808	0.534	0.861	0.4878	12
13	0.1938	0.1028	0.0858	28.3 B	2.84	1.81	1.80	0.581	0.887	0.832	1.08	0.4488	13
14	0.1888	0.0928	0.0818	31.4 B	2.81	1.62	1.87	0.588	0.548	1.13	1.08	0.4548	14
15	0.1828	0.0778	0.0858	33.4 B	2.70	1.78	1.84	0.880	0.518	1.14	0.987	0.4748	15
16	0.1608	0.0888	0.0888	31.9 B	2.82	1.84	1.88	0.888	0.483	0.888	0.874	0.4838	16
17	0.1788	0.0848	0.0888	28.1 B	2.48	1.80	1.40	0.850	0.478	1.08	0.774	0.4638	17
18	0.1868	0.0528	0.0848	20.4 B	2.38	1.37	1.12	0.831	0.487	1.13	0.744	0.4808	18
19	0.1818	0.0548	0.0848	11.7 B	2.84	1.28	0.888	0.818	0.483	1.14	0.773	0.4828	19
20	0.1828	0.0788	0.0848	11.8	4.04	1.18	0.882	1.01	0.483	1.09	0.805	0.4848	20
21	0.1888	0.0838	0.0858	10.4	5.86	1.11	0.842	1.21	0.471	1.47	0.872	0.4848	21
22	0.1868	0.0848	0.0868	9.48	12.3	1.03	0.780	1.17	0.471	1.82	0.830	0.8318	22
23	0.1878	0.0848	0.0908	8.30	10.4	1.01	0.702	1.08	0.438	1.42	0.8888	0.8218	23
24	0.1868	0.0938	0.1208	9.20	8.27	0.908	0.888	1.01	0.883	1.47	0.8218	0.4788	24
25	0.1868	0.0928	0.1488	8.84	7.37	0.883	0.787	0.972	0.838	1.78	0.7808	0.4308	25
26	0.1478	0.0888	0.1388	7.78	6.88	0.880	0.783	1.08	0.828	1.88	0.7828	0.4088	26
27	0.1378	0.0898	0.1848	6.88	6.08	0.722	0.781	1.08	0.820	2.04	0.7818	0.4038	27
28	0.1208	0.0888	0.2128	5.88	5.28	0.742	0.700	1.08	0.883	2.18	0.7828	0.4088	28
29	0.1028		0.2388	4.87	4.70	0.700	0.880	1.08	0.777	1.88	0.7728	0.4188	29
30	0.1488		0.3158	4.38	4.08	0.788	0.801	1.01	0.843	1.74	0.7788	0.4428	30
31	0.1888		0.4038		3.87		0.438	0.830		1.88		0.4828	31
TOTAL	6.788	3.181	3.819	413.884	138.35	48.284	27.182	25.818	19.788	32.743	30.232	16.882	TOTAL
MEAN	0.187	0.114	0.123	13.8	4.46	1.84	0.878	0.838	0.880	1.08	1.01	0.838	MEAN
MAX	0.288	0.210	0.403	33.4	12.3	3.38	1.84	1.21	1.22	2.18	1.52	0.861	MAX
MIN	0.102	0.082	0.078	0.830	2.38	0.880	0.438	0.410	0.438	0.408	0.744	0.403	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.10
MAXIMUM DAILY, 33.48 ON APR 15
MINIMUM DAILY, 0.0828 ON FEB 16

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 38 44 N
LONG 113 34 56 W
DRAINAGE AREA, 1 830 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	500	JUL	2 380
FEB	278	AUG	2 210
MAR	330	SEP	1 710
APR	35 600	OCT	2 830
MAY	12 000	NOV	2 610
JUN	4 280	DEC	1 430

TOTAL DISCHARGE, 68 300 dam³

BATTLE RIVER NEAR THE SASKATCHEWAN BOUNDARY - STATION NO. 05PE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.8088	0.5258	0.3808	2.338	21.8	8.27	5.88	3.348	1.28	1.18	0.9248	1.02 B	1
2	0.8848	0.4858	0.4008	4.148	21.8	8.80	4.88	3.228	1.17	1.18	1.18 B	1.10 B	2
3	0.7248	0.8128	0.4088	5.648	21.4	8.80	4.72	3.128	1.31	1.14	1.88 B	1.23 B	3
4	0.7388	0.4828	0.4018	7.888	20.8	8.85	4.18	3.008	1.28	1.14	1.24 B	1.32 B	4
5	0.7258	0.4788	0.3808	8.888	20.1	8.81	8.80	2.908	1.20	1.12	1.83 B	1.38 B	5
6	0.7358	0.5078	0.3888	9.038	19.5	8.34	5.82	2.808	1.48	1.18	1.38 B	1.36 B	6
7	0.7288	0.5108	0.3468	8.318	18.4	8.31	7.88	2.728	1.80	1.30	1.37 B	1.38 B	7
8	0.6888	0.4888	0.3478	10.3 B	18.6	8.32	7.76	2.828	1.88	1.28	1.14 B	1.40 B	8
9	0.6008	0.4828	0.3478	8.728	18.1	8.13	8.80	2.828	2.03	1.80	1.03 B	1.42 B	9
10	0.8838	0.4888	0.3848	10.0 B	17.8	8.81	8.88	2.468	1.81	1.16	1.01 B	1.31 B	10
11	0.8888	0.4848	0.3338	8.878	16.6	8.82	5.43	2.388	1.78	1.14	0.7808	1.31 B	11
12	0.8788	0.4888	0.3328	18.0 B	18.3	8.00	5.47	2.288	1.71	1.14	0.7388	1.21 B	12
13	0.8888	0.4488	0.3328	18.8	14.8	8.81	6.17	2.208	1.82	1.14	0.8828	1.08 B	13
14	0.8638	0.4338	0.3278	18.8	13.8	8.35	7.34	2.128	1.88	1.18	0.8558	0.8708	14
15	0.8888	0.4288	0.3218	20.2	13.0	8.18	8.308	2.068	1.47	1.18	0.7808	0.8488	15
16	0.8888	0.4338	0.3288	22.3	12.4	8.11	8.008	1.88	1.42	1.18	0.8878	0.8178	16
17	0.8878	0.4328	0.3888	22.8	13.0	7.82	7.008	1.84	1.38	1.18	0.8858	0.8188	17
18	0.8708	0.4218	0.3848	20.8	12.1	7.04	6.888	1.78	1.30	1.18	0.8838	0.8128	18
19	0.8838	0.4328	0.3888	18.1	11.8	6.82	6.388	1.73	1.38	1.18	0.8028	0.8828	19
20	0.8818	0.4448	0.3788	18.8	12.2	6.36	6.108	1.88	1.27	1.18	0.8878	0.8878	20
21	0.8718	0.4338	0.3798	17.2	12.1	6.28	4.808	1.48	1.22	1.18	0.8838	0.8718	21
22	0.8628	0.4328	0.3638	17.0	11.7	6.01	4.708	1.48	1.18	1.16	0.8888	0.8588	22
23	0.8488	0.4188	0.3568	17.8	11.2	5.82	4.858	1.40	1.16	1.13	0.8648	0.8428	23
24	0.8378	0.4058	0.3278	18.1	11.2	5.82	4.408	1.32	1.16	1.15	0.8538	0.8538	24
25	0.8388	0.3708	0.3408	18.7	11.8	5.88	4.228	1.27	1.16	1.13	0.8408	0.8888	25
26	0.8138	0.3858	0.3278	18.4	10.4	5.30	4.108	1.21	1.20	1.13	0.8488	0.8238	26
27	0.8838	0.3888	0.3428	20.1	10.8	5.23	3.888	1.14	1.18	1.12	0.8428	0.8818	27
28	0.8848	0.3578	0.3888	20.7	10.3	5.21	3.848	1.08	1.18	1.08	0.8418	0.8828	28
29	0.8268		0.3288	21.2	9.88	5.83	3.708	1.03	1.15	1.08	0.8848	1.04 B	29
30	0.8288		0.8128	21.8	8.80	6.08	3.578	1.01	1.14	1.14	0.8488	1.07 B	30
31	0.8438		0.8138		8.22		3.478	1.18		1.218		1.08 B	31
TOTAL	20.303	13.490	11.725	488.21	480.47	230.89	188.80	82.08	41.88	38.80	28.800	33.272	TOTAL
MEAN	0.888	0.448	0.378	15.3	14.8	7.88	6.48	2.00	1.38	1.18	0.883	1.07	MEAN
MAX	0.738	0.528	0.813	22.8	21.8	8.88	8.00	3.34	2.03	1.30	1.88	1.42	MAX
MIN	0.838	0.388	0.388	2.32	8.22	5.21	3.47	1.01	1.14	1.08	0.738	0.842	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.27
MAXIMUM DAILY, 22.8 ON APR 17
MINIMUM DAILY, 0.2688 ON MAR 28
MAXIMUM INSTANTANEOUS,
24.1 AT 23:08 CST ON APR 16

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 51 23 N
LONG 110 01 08 W
DRAINAGE AREA, 25 100 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1973

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 760	JUL	14 700
FEB	1 080	AUG	5 380
MAR	1 010	SEP	3 680
APR	28 700	OCT	3 100
MAY	28 800	NOV	2 870
JUN	19 800	DEC	2 870

TOTAL DISCHARGE, 135 000 dam³

BEAR CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.007	0.078	0.518	0.081	0	0	0	---	---	1
2	---	---	0 B	0.007	0.084	0.545	0.055	0	0	0	---	---	2
3	---	---	0 B	0.003	0.080	0.580	0.044	0	0	0	---	---	3
4	---	---	0 B	0	0.084	0.435	0.030	0	0	0	---	---	4
5	---	---	0 B	0	0.060	0.317	0.023	0	0	0	---	---	5
6	---	---	0 B	0.001	0.044	0.237	0.018	0	0	0	---	---	6
7	---	---	0.0348	0.008	0.038	0.181	0.015	0	0	0	---	---	7
8	---	---	0.0818	0.004	0.034	0.184	0.011	0	0	0	---	---	8
9	---	---	0.1448	0.001	0.032	0.138	0.008	0	0	0	---	---	9
10	---	---	0.2848	0	0.027	0.138	0.007	0	0	0	---	---	10
11	---	---	0.0808	0	0.020	0.411	0.005	0	0	0	---	---	11
12	---	---	0.1318	0	0.021	0.978	0.002	0	0	0	---	---	12
13	---	---	0.0268	0.006	0.027	0.814	0.002	0	0	0	---	---	13
14	---	---	0.0038	0.005	0.027	0.521	0.028	0	0	0	---	---	14
15	---	---	0 B	0.023	0.028	0.385	0.089	0	0	0	---	---	15
16	---	---	0 B	0.037	0.023	0.289	0.052	0	0	0	---	---	16
17	---	---	0 B	0.024	0.020	0.238	0.048	0	0	0	---	---	17
18	---	---	0 B	0.021	0.018	0.180	0.037	0	0	0	---	---	18
19	---	---	0 B	0.015	0.012	0.148	0.024	0	0	0	---	---	19
20	---	---	0 B	0.010	0.007	0.118	0.016	0	0	0	---	---	20
21	---	---	0 B	0.032	0.008	0.093	0.009	0	0	0	---	---	21
22	---	---	0 B	0.058	0.004	0.100	0.007	0	0	0	---	---	22
23	---	---	0 B	0.053	0.003	0.084	0.005	0	0	0	---	---	23
24	---	---	0 B	0.049	0.003	0.081	0.002	0	0	0	---	---	24
25	---	---	0.336	0.041	0.009	0.198	0	0	0	0	---	---	25
26	---	---	0.588	0.047	0.013	0.283	0	0	0	0	---	---	26
27	---	---	0.581	0.077	0.013	0.331	0	0	0	0	---	---	27
28	---	0B	0.326	0.096	0.008	0.148	0	0	0	0	---	---	28
29	---		0.088	0.081	0.233	0.124	0	0	0	0	---	---	29
30	---		0.031	0.081	0.284	0.108	0	0	0	0	---	---	30
31	---		0.013		0.383		0	0		0A		---	31
TOTAL	---	---	3.858	0.806	1.873	8.807	0.593	0	0	0	---	---	TOTAL
MEAN	---	---	0.068	0.027	0.064	0.294	0.019	0	0	0	---	---	MEAN
MAX	---	---	0.581	0.096	0.383	0.978	0.081	0	0	0	---	---	MAX
MIN	---	---	0	0	0.003	0.081	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.069
MAXIMUM DAILY, 0.978 ON JUN 12
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.27 AT 18:50 MST ON JUN 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 01 30 N
LONG 111 12 48 W
DRAINAGE AREA, 87.3 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	51.2
FEB	---	AUG	0
MAR	230	SEP	0
APR	69.6	OCT	0
MAY	140	NOV	---
JUN	761	DEC	---

TOTAL DISCHARGE, 1 250 dam³

BEAR CREEK NEAR VALHALLA CENTRE - STATION NO. 07QE007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0028	0.048	0	0	0	0.051	0.002	0.006	---	1
2	---	---	0 B	0.0068	0.033	0	0	0	0.038	0.003	0.0048	---	2
3	---	---	0 B	0.0108	0.027	0	0	0	0.030	0.001	---	---	3
4	---	---	0 B	0.0148	0.020	0	0	0	0.022	0.002	---	---	4
5	---	---	0 B	0.0308	0.016	0	0	0	0.078	0.002	---	---	5
6	---	---	0 B	0.0348	0.023	0	0	0	0.071	0.002	---	---	6
7	---	---	0 B	0.0318	0.023	0	0	0	0.062	0.003	---	---	7
8	---	---	0 B	0.0348	0.022	0	0	0	0.056	0.003	---	---	8
9	---	---	0 B	0.0888	0.018	0	0	0	0.051	0.003	---	---	9
10	---	---	0 B	0.4788	0.016	0	0	0	0.048	0.003	---	---	10
11	---	---	0 B	1.53 B	0.015	0	0	0	0.040	0.003	---	---	11
12	---	---	0 B	1.42 B	0.011	0	0	0	0.034	0.003	---	---	12
13	---	---	0 B	1.67 B	0.008	0	0	0	0.027	0.003	---	---	13
14	---	---	0 B	1.66 B	0.005	0	0	0	0.023	0.003	---	---	14
15	---	---	0 B	1.24 B	0.005	0	0	0	0.019	0.003	---	---	15
16	---	---	0 B	1.06 B	0.004	0	0	0	0.017	0.003	---	---	16
17	---	---	0 B	0.888	0.003	0	0	0.037	0.014	0.003	---	---	17
18	---	---	0 B	0.758	0.002	0	0	0.048	0.010	0.003	---	---	18
19	---	---	0 B	0.638	0.002	0	0	0.002	0.008	0.004	---	---	19
20	---	0.0038	0 B	0.518	0.002	0	0	0.001	0.007	0.004	---	---	20
21	---	0.0038	0 B	0.371	0.004	0	0	0.003	0.008	0.005	---	---	21
22	---	0.0038	0 B	0.300	0.003	0	0	0.003	0.008	0.005	---	---	22
23	---	0.0038	0 B	0.235	0.008	0	0	0.006	0.008	0.005	---	---	23
24	---	0.0038	0 B	0.176	0.047	0	0	0.033	0.003	0.005	---	---	24
25	---	0.0038	0 B	0.172	0.002	0	0	0.042	0.002	0.006	---	---	25
26	---	0.0018	0 B	0.184	0.001	0	0	0.052	0.001	0.005	---	---	26
27	---	0.0018	0 B	0.114	0	0	0	0.062	0	0.006	---	---	27
28	---	0.0018	0 B	0.062	0	0	0	0.060	0	0.006	---	---	28
29	---		0.0018	0.057	0	0	0	0.055	0	0.006	---	---	29
30	---		0.0018	0.056	0	0	0	0.101	0.001	0.0078	---	---	30
31	---		0.0028		0		0	0.093		0.0068		---	31
TOTAL	---	---	0.004	14.171	0.373	0	0	0.855	0.941	0.115	---	---	TOTAL
MEAN	---	---	0	0.472	0.012	0	0	0.031	0.031	0.004	---	---	MEAN
MAX	---	---	0.002	1.88	0.047	0	0	0.101	0.098	0.007	---	---	MAX
MIN	---	---	0	0.003	0	0	0	0	0	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.059
MAXIMUM DAILY, 1.888 ON APR 14
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.458 AT 08:30 MST ON APR 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 24 02 N
LONG 118 33 53 W
DRAINAGE AREA, 181 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	66.9
MAR	0.35	SEP	81.3
APR	1 330	OCT	9.84
MAY	33.3	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 400 dam³

BEAR LAKE NEAR CLAIRMONT - STATION NO. 07GE004

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	683.130	683.048	683.050	683.091	683.088	---	---	1
2	---	---	---	---	---	683.108	683.048	683.050	683.088	683.083	---	---	2
3	---	---	---	---	---	683.085	683.053	683.072	683.107	683.088	---	---	3
4	---	---	---	---	---	683.084	683.082	683.074	683.130	683.138	---	---	4
5	---	---	---	---	---	683.084	683.084	683.071	683.185	683.084	---	---	5
6	---	---	---	---	---	683.123	683.087	683.088	683.100	---	---	---	6
7	---	---	---	---	---	683.073	683.081	683.086	683.088	---	---	---	7
8	---	---	---	---	---	683.073	683.088	683.082	683.071	---	---	---	8
9	---	---	---	---	---	683.087	683.084	683.084	683.078	---	---	---	9
10	---	---	---	---	---	683.072	683.050	683.087	683.078	---	---	---	10
11	---	---	---	---	---	683.081	683.052	683.071	683.082	---	---	---	11
12	---	---	---	---	---	683.078	683.084	683.073	683.082	---	---	---	12
13	---	---	---	---	---	683.081	683.087	683.072	683.084	---	---	---	13
14	---	---	---	---	---	683.090	683.088	683.071	683.083	---	---	---	14
15	---	---	---	---	---	683.100	683.082	683.070	683.082	---	---	---	15
16	---	---	---	---	683.128	683.078	683.086	683.088	683.083	---	---	---	16
17	---	---	---	---	683.091	683.088	683.087	683.073	683.086	---	---	---	17
18	---	---	---	---	683.131	683.078	683.077	683.074	683.084	---	---	---	18
19	---	---	---	---	683.121	683.088	683.088	683.077	683.082	---	---	---	19
20	---	---	---	---	683.180	683.103	683.073	683.073	683.081	---	---	---	20
21	---	---	---	---	683.170	683.087	683.101	683.078	683.083	---	---	---	21
22	---	---	---	---	683.134	683.087	683.087	683.081	683.084	---	---	---	22
23	682.889	---	---	---	683.124	683.082	683.081	683.078	683.082	---	---	---	23
24	---	---	---	---	683.128	683.088	683.077	683.080	683.084	---	---	---	24
25	---	---	---	---	683.173	683.028	683.088	683.082	683.085	---	---	---	25
26	---	---	---	---	683.128	683.028	683.088	683.081	683.084	---	---	---	26
27	---	---	---	---	683.122	683.035	683.080	683.080	683.083	---	---	---	27
28	---	---	---	---	683.127	683.037	683.084	683.080	683.085	---	---	---	28
29	---		---	---	683.122	683.044	683.088	683.078	683.087	---	---	---	29
30	---		---	---	683.118	683.042	683.047	683.080	683.082	---	---	---	30
31	---		---		683.116		683.044	683.082		---		---	31
MEAN	---	---	---	---	---	683.073	683.082	683.073	683.089	---	---	---	MEAN
MAX	---	---	---	---	---	683.130	683.101	683.082	683.185	---	---	---	MAX
MIN	---	---	---	---	---	683.028	683.044	683.080	683.071	---	---	---	MIN

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 18 10 N
LONG 118 58 30 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DRAINAGE AREA, 1 190 km²

BEARBERRY CREEK NEAR SUNDRE - STATION NO. 05CA011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.3008	2.62	0.832	1.26	0.218	0.857	0.388	0.2848	---	1
2	---	---	---	0.3608	2.48	0.712	0.898	0.384	0.818	0.380	0.2888	---	2
3	---	---	---	0.4208	1.80	0.884	0.840	0.638	1.68	0.344	---	---	3
4	---	---	---	0.4708	1.63	0.827	0.737	0.703	1.65	0.363	---	---	4
5	---	---	---	0.5288	1.48	0.888	0.687	0.483	1.17	0.388	---	---	5
6	---	---	---	0.2638	1.33	0.841	0.680	0.387	1.17	0.381	---	---	6
7	---	---	---	0.8588	1.23	0.881	0.668	0.383	1.04	0.371	---	---	7
8	---	---	---	0.3588	1.08	0.853	0.807	0.284	1.88	0.387	---	---	8
9	---	---	---	0.0878	0.841	0.709	0.474	0.286	1.35	0.371	---	---	9
10	---	---	---	0.1888	0.888	0.844	0.882	0.288	1.35	0.387	---	---	10
11	---	---	---	1.35 B	0.888	0.834	1.80	0.280	1.28	0.423	---	---	11
12	---	---	---	4.32 B	1.33	0.730	2.35	0.248	1.01	0.478	---	---	12
13	---	---	---	6.84 B	1.48	0.801	1.43	0.328	0.831	0.436	---	---	13
14	---	---	---	7.74 B	1.10	0.841	0.918	0.221	0.882	0.801	---	---	14
15	---	---	---	8.76 B	0.833	0.481	0.888	0.247	0.808	0.813	---	---	15
16	---	---	---	8.67 B	0.853	0.889	0.881	0.387	0.888	0.807	---	---	16
17	---	---	---	4.82 B	0.838	1.32	0.803	1.47	0.848	0.432	---	---	17
18	---	---	---	3.84 B	0.848	1.02	0.488	1.78	0.871	0.382	---	---	18
19	---	---	---	4.84 B	0.877	0.732	0.388	1.24	0.818	0.395	---	---	19
20	---	---	---	3.80 B	0.798	0.776	0.328	0.822	0.878	0.378	---	---	20
21	---	---	---	3.17 B	0.708	0.886	0.297	0.888	0.498	0.383	---	---	21
22	---	---	---	4.82	0.848	0.738	0.328	0.864	0.488	0.388	---	---	22
23	---	---	---	7.60	0.894	0.782	0.288	0.778	0.434	0.384	---	---	23
24	---	---	---	10.8	0.878	0.828	0.250	0.880	0.438	0.386	---	---	24
25	---	---	---	7.20	1.02	0.881	0.234	0.884	0.398	0.374	---	---	25
26	---	---	---	5.24	1.18	1.07	0.188	0.744	0.384	0.353	---	---	26
27	---	---	---	8.17	1.00	18.3	0.188	0.871	0.378	0.333	---	---	27
28	---	---	---	4.10	0.980	5.48	0.218	1.34	0.387	0.324	---	---	28
29	---		---	3.30	1.01	2.48	0.318	1.18	0.342	0.321	---	---	29
30	---		---	3.04	0.852	1.83	0.308	1.08	0.387	0.3028	---	---	30
31	---		---		0.858		0.238	1.12		0.2948		---	31
TOTAL	---	---	---	109.842	36.288	45.811	19.888	20.939	24.287	11.880	---	---	TOTAL
MEAN	---	---	---	3.88	1.14	1.52	0.838	0.875	0.810	0.383	---	---	MEAN
MAX	---	---	---	10.8	2.83	18.3	2.35	1.78	1.88	0.813	---	---	MAX
MIN	---	---	---	0.087	0.888	0.481	0.188	0.218	0.342	0.284	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.25
MAXIMUM DAILY, 18.3 ON JUN 27
MINIMUM DAILY, 0.0878 ON APR 9
MAXIMUM INSTANTANEOUS,
26.7 AT 11:33 MST ON JUN 27

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 46 25 N
LONG 114 43 30 W
DRAINAGE AREA, 227 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL 1 700	
FEB	---	AUG 1 610	
MAR	---	SEP 2 100	
APR 9 500		OCT 1 020	
MAY 3 050		NOV	---
JUN 3 930		DEC	---

TOTAL DISCHARGE, 23 100 dam³

BEAVER CREEK NEAR BROCKET - STATION NO. 05AB013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.060	0.037	0.038	0.033	B	0	0	0	---	1
2	---	---	0 B	0.074	0.044	0.029	0.023	B	0	0	0	---	2
3	---	---	0 B	0.078	0.061	0.038	0.018	0	0	0	0A	---	3
4	---	---	0 B	0.074	0.064	0.027	0.011	0	0	0	---	---	4
5	---	---	0 B	0.081	0.062	0.028A	0.009	0	0.011	0	---	---	5
6	---	---	0 B	0.103	0.029	0.030A	0.008	0	0.008	0	---	---	6
7	---	---	0 B	0.186	0.023	0.030	0.003	0	0	0	---	---	7
8	---	---	0 B	0.149	0.022	0.032	0.002	0	0	0	---	---	8
9	---	---	0.0018	0.123	0.018	0.037	0	0	0	0	---	---	9
10	---	---	0.0018	0.150	0.018	0.110	0.002	0	0	0	---	---	10
11	---	---	0.0018	0.140	0.013	0.180	0.003	0	0	0	---	---	11
12	---	---	0.0018	0.114	0.018	0.158	0.003	0	0	0	---	---	12
13	---	---	0.0018	0.132	0.018	0.111	0.008	0	0	0	---	---	13
14	---	---	0.0018	0.162	0.037	0.068	0.023	0	0	0	---	---	14
15	---	---	0.0018	0.209	0.028	0.072	0.018	0	0	0	---	---	15
16	---	---	0.0018	0.248	0.018	0.059	0.015	0	0	0	---	---	16
17	---	---	0.0018	0.184	0.020	0.052	0.013	0	0	0	---	---	17
18	---	---	0.0018	0.142	0.018	0.048	0.010	0	0	0	---	---	18
19	---	---	0.0018	0.108	0.028	0.047	0.008	0	0	0	---	---	19
20	---	---	0.0018	0.108	0.021	0.042	0.008	0	0	0	---	---	20
21	---	---	0.0038	0.125	0.018	0.038	0.008	0	0	0	---	---	21
22	---	---	0.0038	0.123	0.018	0.038	0.008	0	0	0	---	---	22
23	---	---	0.0088	0.112	0.018	0.031	0.005	0	0	0	---	---	23
24	---	---	0.0078	0.071	0.017	0.041	0.003	0	0	0	---	---	24
25	---	---	0.008	0.073	0.022	0.082	0.002	0	0	0	---	---	25
26	---	---	0.008	0.086	0.028	0.083	0.001	0	0	0	---	---	26
27	---	0B	0.038	0.080	0.024	0.080	0.001	0	0	0	---	---	27
28	---	0B	0.083	0.080	0.048	0.067	0	0	0	0	---	---	28
29	---		0.043	0.078	0.085	0.082	0	0	0	0	---	---	29
30	---		0.031	0.088	0.083	0.047	0	0	0	0	---	---	30
31	---		0.029		0.048		0		0	0		---	31
TOTAL	---	---	0.235	3.512	0.826	1.837	0.236	0	0.017	0	---	---	TOTAL
MEAN	---	---	0.008	0.117	0.030	0.061	0.008	0	0.001	0	---	---	MEAN
MAX	---	---	0.083	0.248	0.085	0.180	0.033	0	0.011	0	---	---	MAX
MIN	---	---	0	0.060	0.013	0.027	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.028
MAXIMUM DAILY, 0.248 ON APR 16
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.300 AT 04:55 MST ON APR 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 38 21 N
LONG 113 47 38 W
DRAINAGE AREA, 266 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	20.4
FEB	---	AUG	0
MAR	20.3	SEP	1.47
APR	303	OCT	0
MAY	78.8	NOV	---
JUN	159	DEC	---

TOTAL DISCHARGE, 584 dam³

BEAVER LAKE AT RANGER STATION - STATION NO. 05AA003

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	0.831	---	---	---	0.831	0.811	---	1
2	---	---	---	---	---	---	---	0.831	0.811	---	---	---	2
3	---	---	---	---	---	0.811	0.811	---	---	0.811	0.781	---	3
4	---	---	---	---	---	---	---	0.811	0.811	0.801	---	---	4
5	---	---	---	---	---	0.831	0.811	---	---	0.841	0.781	---	5
6	---	---	---	---	---	0.811	---	0.811	0.831	---	---	---	6
7	---	---	---	---	---	---	0.811	---	---	0.861	0.781	---	7
8	---	---	---	---	---	0.811	---	0.861	0.811	---	0.781	---	8
9	---	---	---	---	---	---	0.831	---	---	0.871	---	---	9
10	---	---	---	---	---	---	---	0.831	0.831	---	---	---	10
11	---	---	---	---	---	0.861	0.831	---	---	0.871	---	---	11
12	---	---	---	---	0.878	---	---	---	0.811	---	---	---	12
13	---	---	---	---	---	0.831	0.811	0.831	---	0.861	---	---	13
14	---	---	---	---	0.861	---	---	---	0.831	---	---	---	14
15	---	---	---	---	---	0.811	0.811	0.861	---	0.871	---	---	15
16	---	---	---	---	0.871	---	---	---	0.811	---	---	---	16
17	---	---	---	---	---	0.811	0.831	0.831	---	0.871	---	---	17
18	---	---	---	---	0.861	---	---	---	0.871	---	---	---	18
19	---	---	---	---	---	0.811	0.811	0.831	---	0.861	---	---	19
20	---	---	---	---	0.811	0.831	---	---	0.861	---	---	---	20
21	---	---	---	---	---	0.831	0.811	0.831	---	0.871	---	---	21
22	---	0.867	---	---	---	---	---	---	0.861	---	---	---	22
23	---	---	---	---	---	0.861	0.831	0.831	---	0.861	---	---	23
24	---	---	---	---	0.811	---	---	---	0.861	---	---	---	24
25	---	---	---	---	0.811	0.861	0.811	0.811	0.831	0.871	---	---	25
26	---	---	---	---	0.831	---	---	---	---	---	---	---	26
27	---	---	---	---	---	0.831	0.811	0.811	0.811	0.861	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	0.811	---	0.831	0.831	0.831	0.811	---	---	29
30	---		---	---	---	0.831	---	0.871	---	---	---	---	30
31	---		---		0.831		0.831	0.891		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 46 40 N
LONG 111 54 05 W

NATURAL FLOW

DRAINAGE AREA,
331 km²

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

BEAVER RIVER ABOVE SYNCRUDE - STATION NO. 07DA015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0548	0.0388	3.76	1.84	1.55	0.884	0.248	1.60	---	---	1
2	---	---	0.0538	0.0418	3.47	1.48	11.3	0.585	0.257	1.28	---	---	2
3	---	---	0.0548	0.0408	3.27	1.28	15.0	0.708	0.262	1.15	---	---	3
4	---	---	0.0548	0.0418	3.13	1.18	12.1	0.586	0.268	1.03	---	---	4
5	---	---	0.0548	0.0438	2.72	1.10	8.71	0.448	0.274	0.881	---	---	5
6	---	---	0.0538	0.0538	2.54	5.08	8.03	0.277	0.272	0.743	---	---	6
7	---	---	0.0518	0.0838	2.61	11.2	4.14	0.241	0.278	0.672	---	---	7
8	---	---	0.0498	0.0808	2.58	9.36	3.18	0.322	0.278	0.622	---	---	8
9	---	---	0.0478	0.1008	2.40	7.19	2.73	0.321	0.273	0.587	---	---	9
10	---	---	0.0448	0.1178	2.26	5.84	2.11	0.189	0.276	0.571	---	---	10
11	---	---	0.0458	0.1378	2.14	4.84	1.85	0.184	0.260	0.556	---	---	11
12	---	---	0.0468	0.1618	1.98	3.28	1.42 A	0.186	0.283	0.532	---	---	12
13	---	---	0.0478	0.1888	1.78	2.48	1.28 A	0.194	0.284	0.528	---	---	13
14	---	---	0.0478	0.2168	1.63	1.93	0.843A	0.183	0.271	0.572	---	---	14
15	---	---	0.0478	0.2388	1.51	1.66	0.686A	0.182	0.279	0.527	---	---	15
16	---	---	0.0488	0.2148	1.38	1.40	0.582	0.181	0.303	0.532	---	---	16
17	---	---	0.0478	0.1808	1.26	1.63	0.318	0.180	0.322	0.522	---	---	17
18	---	---	0.0468	0.1808	1.41	3.49	0.510	0.181	0.328	0.530	---	---	18
19	---	---	0.0488	0.1858	1.78	2.82	0.422	0.200	0.338	0.841	---	---	19
20	---	---	0.0448	0.1808	7.18	3.08	0.383	0.188	0.381	0.528	---	---	20
21	---	---	0.0458	0.2308	18.4	4.88	0.388	0.213	0.347	0.518	---	---	21
22	---	---	0.0428	0.3208	16.0	4.83	0.438	0.228	0.388	0.511	---	---	22
23	---	---	0.0428	0.4408	11.9	3.48	0.480	0.238	0.401	0.492	---	---	23
24	---	---	0.0408	0.5608	8.55	2.78	0.502	0.234	0.430	0.482	---	---	24
25	---	---	0.0388	0.7508	6.03	2.48	3.40	0.238	0.430	0.494	---	---	25
26	---	---	0.0388	1.00 B	4.85	2.11	2.82	0.241	0.410	0.493	---	---	26
27	---	---	0.0408	1.30 B	3.83	1.88	2.08	0.242	0.380	0.480A	---	---	27
28	---	---	0.0408	1.65 B	2.94	1.43	1.98	0.248	0.375	0.4858	---	---	28
29	---	---	0.0388	2.23	2.56	1.24	1.20	0.285	0.398	0.4808	---	---	29
30	---	---	0.0408	2.80	2.18	1.14	0.928	0.252	1.24	0.4708	---	---	30
31	---	---	0.0428		1.84		0.819	0.283		0.4808		---	31
TOTAL	---	---	1.421	13.788	127.43	88.27	89.945	8.752	10.822	19.871	---	---	TOTAL
MEAN	---	---	0.048	0.480	4.11	3.21	2.90	0.282	0.361	0.641	---	---	MEAN
MAX	---	---	0.054	2.80	18.4	11.2	15.0	0.705	1.24	1.60	---	---	MAX
MIN	---	---	0.038	0.038	1.26	1.10	0.383	0.180	0.248	0.480	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.50
MAXIMUM DAILY, 18.4 ON MAY 21
MINIMUM DAILY, 0.0388 ON MAR 25
MAXIMUM INSTANTANEOUS,
18.1 AT 20:07 MST ON MAY 21

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 56 28 N
LONG 111 33 54 W
DRAINAGE AREA, 185 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	7 770
FEB	---	AUG	788
MAR	133	SEP	808
APR	1 180	OCT	1 720
MAY	11 000	NOV	---
JUN	8 320	DEC	---

TOTAL DISCHARGE, 31 800 dam³

BEAVER RIVER AT COLD LAKE RESERVE - STATION NO. 05AD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.868	2.088	1.888	2.868	11.2	21.2	18.0	6.87	3.88	6.28	5.288	2.108	1
2	2.868	2.038	1.868	2.868	11.5	20.8	16.7	6.38	3.70	6.11	4.318	2.038	2
3	2.488	2.038	1.848	3.038	10.9	19.5	15.4	5.88	4.88	6.06	3.718	2.078	3
4	2.488	1.848	1.818	3.288	10.2	18.4	14.4	5.08	4.82	6.18	3.688	2.018	4
5	2.238	1.878	1.838	3.508	8.77	17.8	13.8	5.84	6.14	6.10	3.608	2.788	5
6	2.188	1.748	1.888	3.878	8.84	17.8	13.4	5.77	5.88	6.14	3.588	2.788	6
7	2.188	1.808	1.878	4.818	8.14	17.8	13.2	5.63	5.80	6.27	3.488	2.648	7
8	2.138	1.808	1.708	4.428	8.71	18.8	12.8	5.32	5.78	6.47	3.878	2.858	8
9	2.038	1.838	1.758	4.818	8.31	18.5	12.8	5.04	7.18	6.14	3.588	2.888	9
10	2.048	1.738	1.808	4.588	8.03	18.8	12.7	4.83	7.81	6.22	3.788	2.848	10
11	2.078	1.788	1.888	5.148	7.82	18.2	13.8	5.87	7.85	6.18	3.808	2.708	11
12	2.048	1.778	1.828	6.788	7.81	18.8	13.4	5.88	8.12	6.42	3.888	2.688	12
13	2.028	1.668	1.888	8.038	7.81	14.7	13.3	5.48	8.26	6.26	3.658	2.678	13
14	2.058	1.588	1.858	8.498	7.88	18.8	12.4	6.84	8.26	6.23	3.508	2.488	14
15	2.178	1.488	1.838	10.1 B	7.88	20.4	11.7	4.48	8.23	6.18	3.488	2.478	15
16	2.288	1.438	1.818	9.258	7.84	20.7	11.0	4.33	8.13	6.07	3.408	2.378	16
17	2.188	1.428	1.888	8.818	7.61	20.4	10.6	4.18	7.92	7.78	3.368	2.388	17
18	2.268	1.478	1.888	10.1 B	7.51	19.3	9.98	4.14	7.80	7.91	3.318	2.318	18
19	2.278	1.528	1.888	10.1 B	8.88	18.0	9.40	4.04	7.43	8.32	3.288	2.318	19
20	2.198	1.588	1.898	17.8 B	8.14	17.2	8.83	3.88	7.32	7.93	3.268	2.308	20
21	2.178	1.868	1.868	15.7 B	10.2	17.1	8.44	3.71	7.60	8.00	3.248	2.288	21
22	2.128	1.708	2.058	13.6	10.4	17.8	8.38	5.78	7.88	8.14	3.238	2.288	22
23	2.288	1.748	2.188	18.0	10.8	18.2	7.88	4.82	8.19	7.75	3.228	2.288	23
24	2.188	1.788	2.308	18.7	13.4	18.8	7.48	4.88	8.43	7.81	3.228	2.288	24
25	2.188	1.788	2.508	18.8	17.0	19.4	7.01	3.91	8.84	7.38	3.238	2.288	25
26	2.238	1.748	2.858	18.7	20.2	18.8	6.78	3.48	8.85	7.25	3.218	2.278	26
27	2.308	1.728	2.508	18.8	22.4	20.0	6.68	3.24	8.71	7.28	3.218	2.288	27
28	2.388	1.688	2.388	13.8	23.0	19.8	6.44	3.20	8.68	7.038	3.218	2.278	28
29	2.288		2.308	12.8	22.0	18.8	6.58	3.30	8.63	6.858	3.218	2.278	29
30	2.268		2.278	11.6	22.6	18.3	6.52	3.32	8.75	6.608	3.138	2.288	30
31	2.218		2.438		22.2		6.78	3.36		6.188		2.308	31
TOTAL	68.86	47.51	61.26	285.18	372.78	571.6	336.33	147.86	218.78	243.28	104.73	78.27	TOTAL
MEAN	2.22	1.70	1.98	9.51	12.0	19.1	10.8	4.78	7.29	7.85	3.48	2.52	MEAN
MAX	2.84	2.08	2.85	17.8	23.0	21.2	18.0	6.87	8.78	8.47	5.28	3.10	MAX
MIN	2.02	1.42	1.81	2.86	7.81	17.1	6.44	3.20	3.88	6.18	3.13	2.36	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.86
MAXIMUM DAILY, 23.0 ON MAY 26
MINIMUM DAILY, 1.420 ON FEB 17
MAXIMUM INSTANTANEOUS,
23.2 AT 17:26 MST ON MAY 26

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 31 15 N
LONG 110 13 00 W
DRAINAGE AREA, 14 800 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 880	JUL	29 100
FEB	4 100	AUG	12 700
MAR	5 280	SEP	16 800
APR	24 800	OCT	21 000
MAY	32 200	NOV	9 080
JUN	49 480	DEC	6 760

TOTAL DISCHARGE, 218 000 dam³

BEAVER RIVER NEAR GOODRIDGE - STATION NO. 09AA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0088	0.0218	0.380	0.018	0.080	0.001	0.085	0.050	0.012	---	1
2	---	---	0.0088	0.0268	0.372	0.078	0.080	0.005	0.153	0.018	0.014	---	2
3	---	---	0.0088	0.0308	0.328	0.080	0.154	0.044	0.248	0.018	0.024	---	3
4	---	---	0.0088	0.0508	0.248	0.010	0.383	0.087	0.140	0.028	0.088	---	4
5	---	---	0.0108	0.0408	0.187	0.398	0.147	0.058	0.081	0.038	0.138	---	5
6	---	---	0.0108	0.2188	0.128	1.74	0.027	0.111	0.023	0.047	0.142	---	6
7	---	---	0.0118	0.2618	0.027	0.844	0.002	1.07	0.003	0.082	0.110	---	7
8	---	---	0.0118	0.0738	0.012	0.181	0.003	2.84	0.005	0.080	0.078A	---	8
9	---	---	0.0108	0.0388	0.005	0.045	0.005	1.82	0.007	0.080	---	---	9
10	---	---	0.0108	0.0448	0.010	0.398	0.007	0.873	0.028	0.082	---	---	10
11	---	---	0.0108	0.0888	0.023	0.102	0.010	0.482	0.029	0.080	---	---	11
12	---	---	0.0088	0.1288	0.041	0.008	0.015	0.070	0.087	0.083	---	---	12
13	---	---	0.0088	0.1828	0.078	0.011	0.020	0.015	0.048	0.087	---	---	13
14	---	---	0.0088	0.1238	0.088	0.014	0.029	0.082	0.003	0.028	---	---	14
15	---	---	0.0088	0.1188	0.088	0.018	0.023	0.085	0.002	0.023	---	---	15
16	---	---	0.0088	0.130	0.088	0.021	0.011	0.108	0.008	0.024	---	---	16
17	---	---	0.0088	0.107	0.084	0.024	0.038	0.126	0.005	0.013	---	---	17
18	---	---	0.0108	0.082	0.077	0.027	0.012	0.128	0.004	0.022	---	---	18
19	---	---	0.0108	0.085	0.188	0.030	0.007	0.088	0.028	0.043	---	---	19
20	---	---	0.0118	0.084	0.139	0.031	0.013	0.087	0.032	0.070	---	---	20
21	---	0.0108	0.0128	0.232	0.283	0.033	0.078	0.084	0.034	0.072	---	---	21
22	---	0.0108	0.0138	0.521	0.188	0.035	0.074	0.085	0.024	0.082	---	---	22
23	---	0.0098	0.0158	0.518	0.144	0.087	0.013	0.077	0.041	0.089	---	---	23
24	---	0.0088	0.0148	0.413	0.110	0.314	0.001	0.091	0.043	0.085	---	---	24
25	---	0.0088	0.0148	0.328	0.140	0.880	0.003	0.048	0.032	0.102	---	---	25
26	---	0.0088	0.0148	0.334	0.040A	0.228	0.002	0.013	0.041	0.128	---	---	26
27	---	0.0088	0.0158	0.281	0.020E	0.021	0.004	0.004	0.042	0.080	---	---	27
28	---	0.0088	0.0158	0.178	0.020E	0.050	0.040	0.011	0.080	0.125	---	---	28
29	---		0.0178	0.236	0.028E	0.200	0.020	0.007	0.023	0.438	---	---	29
30	---		0.0188	0.318	0.031E	0.173	0.003	0.004	0.033	0.145	---	---	30
31	---		0.0188		0.036A		0.002	0.034		0.008		---	31
TOTAL	---	---	0.384	5.328	3.837	5.781	1.280	8.244	1.384	3.211	---	---	TOTAL
MEAN	---	---	0.011	0.178	0.114	0.192	0.042	0.268	0.045	0.071	---	---	MEAN
MAX	---	---	0.019	0.821	0.380	1.74	0.383	2.84	0.248	0.438	---	---	MAX
MIN	---	---	0.008	0.021	0.005	0.008	0.001	0.001	0.002	0.008	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.118
MAXIMUM DAILY, 2.84 ON AUG 8
MINIMUM DAILY, 0.001 ON JUL 24
MAXIMUM INSTANTANEOUS,
8.83 AT 01:10 MST ON JUN 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 26 08 N
LONG 111 22 00 W
DRAINAGE AREA, 4 710 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	111
FEB	---	AUG	712
MAR	30.6	SEP	118
APR	480	OCT	191
MAY	308	NOV	---
JUN	488	DEC	---

TOTAL DISCHARGE, 2 430 dam³

REMARKS - PEAK DISCHARGE WAS THE RESULT OF A BEAVER DAM BREAKAGE

BEAVERDAM CREEK NEAR COCHRANE - STATION NO. 05CB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0	0.006	0A	0	0	0	0	---	1
2	---	---	0B	0 B	0 A	0.003A	0	0	0	0	0	---	2
3	---	---	0B	0 B	0.001E	0	0	0	0	0	---	---	3
4	---	---	0B	0 B	0 A	0	0	0	0	0	---	---	4
5	---	---	0B	0 B	0	0	0	0	0	0	---	---	5
6	---	---	0B	0.003B	0	0	0	0	0	0	---	---	6
7	---	---	0B	0 B	0	0	0	0	0	0	---	---	7
8	---	---	0B	0 B	0	0	0	0	0	0	---	---	8
9	---	---	0B	0 B	0	0	0	0	0	0	---	---	9
10	---	---	0B	0.005B	0	0.006	0	0	0	0	---	---	10
11	---	---	0B	0.010B	0	0.008	0	0	0	0	---	---	11
12	---	---	0B	0.030B	0	0.004	0	0	0	0	---	---	12
13	---	---	0B	0.028B	0	0.001A	0	0	0	0	---	---	13
14	---	---	0B	0.028B	0	0	0	0	0	0	---	---	14
15	---	---	0B	0.017B	0	0	0	0	0	0	---	---	15
16	---	---	0B	0.008A	0	0	0	0	0	0	---	---	16
17	---	---	0B	0.004	0	0.001A	0	0	0	0	---	---	17
18	---	---	0B	0.003A	0	0.001A	0	0	0	0	---	---	18
19	---	---	0B	0.002	0	0	0	0	0	0	---	---	19
20	---	---	0B	0.001	0	0	0	0	0	0	---	---	20
21	---	0B	0B	0.001	0	0	0	0	0	0	---	---	21
22	---	0B	0B	0.006	0	0	0	0	0	0	---	---	22
23	---	0B	0B	0.010	0	0.004A	0	0	0	0	---	---	23
24	---	0B	0B	0.008	0	0.008	0	0	0	0	---	---	24
25	---	0B	0B	0.004	0.008A	0.008	0	0	0	0	---	---	25
26	---	0B	0B	0.003	0.010	0.008	0	0	0	0	---	---	26
27	---	0B	0B	0.006	0.008	0.008	0	0	0	0	---	---	27
28	---	0B	0B	0.003	0.012	0.006	0	0	0	0	---	---	28
29	---		0B	0 A	0.010	0.003A	0	0	0	0	---	---	29
30	---		0B	0	0.008	0	0	0	0	0	---	---	30
31	---		0B		0.008		0	0		0		---	31
TOTAL	---	---	0	0.188	0.087	0.078	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.006	0.002	0.003	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.030	0.012	0.008	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.001
MAXIMUM DAILY, 0.0308 ON APR 12
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.3368 AT 10:11 MST ON APR 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 31 45 N
LONG 114 28 20 W
DRAINAGE AREA, 48.3 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	16.3	OCT	0
MAY	4.92	NOV	---
JUN	6.48	DEC	---

TOTAL DISCHARGE, 27.7 dam³

BEAVERLODGE RIVER NEAR BEAVERLODGE - STATION NO. 07GD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0818	0.352	0.018	0.054	0.223	1.51	0.140	0.487A	---	1
2	---	---	0 B	0.1568	0.228	0.018	0.180	0.188	1.52	0.125	---	---	2
3	---	---	0 B	0.3298	0.087	0.018	0.208	0.243	1.18	0.108	---	---	3
4	---	---	0 B	0.6718	0.048	0.030	0.181	0.210	0.842	0.188	---	---	4
5	---	---	0 B	2.26 B	0.048	0.017	0.208	0.192	0.897	0.201	---	---	5
6	---	---	0 B	2.05 B	0.114	0.018	0.188	0.183	0.814	0.330A	---	---	6
7	---	---	0 B	3.01 B	0.087	0.018	0.158	0.188	0.843	0.800E	---	---	7
8	---	---	0 B	3.52 B	0.048	0.021	0.180	0.134	0.728	0.800E	---	---	8
9	---	---	0 B	3.31 B	0.030	0.028	0.187	0.122	0.643	0.820E	---	---	9
10	---	---	0 B	3.84 B	0.032	0.100	0.138	0.138	0.612	0.740E	---	---	10
11	---	---	0 B	3.84 B	0.038	0.084	0.112	0.122	0.324	0.880E	---	---	11
12	---	---	0 B	4.75 B	0.028	0.042	0.387	0.128	0.178	0.880E	---	---	12
13	---	---	0 B	4.34 B	0.027	0.020	0.185	0.171	0.238	0.810E	---	---	13
14	---	---	0 B	3.40 B	0.026	0.112	0.083	0.180	0.728	0.480E	---	---	14
15	---	---	0 B	3.14 B	0.027	0.083	0.187	0.184	0.784	0.490E	---	---	15
16	---	---	0 B	2.41 B	0.024	0.030	0.188	0.178	0.718	0.440E	---	---	16
17	---	---	0 B	2.33 B	0.020	0.047	0.324	0.188	0.708	0.500E	---	---	17
18	---	---	0 B	1.62 B	0.026	0.030	0.487	0.621	0.846	0.620E	---	---	18
20	---	0B	0 B	1.61	0.030	0.027	0.438	1.11	0.487	0.580E	---	---	19
				1.41	0.026	0.024	0.372	0.788	0.418	0.590E	---	---	20
21	---	0B	0 B	1.11	0.034	0.030	0.487	0.508	0.335	0.580E	---	---	21
22	---	0B	0 B	0.812	0.047	0.027	0.411	0.418	0.263	0.580E	---	---	22
23	---	0B	0 B	0.708	0.034	0.030	0.358	0.481	0.239	0.570E	---	---	23
24	---	0B	0 B	0.583	0.018	0.028	0.275	0.487	0.223	0.570E	---	---	24
25	---	0B	0 B	0.881	0.010	0.024	0.243	0.841	0.172	0.580E	---	---	25
26	---	0B	0 B	0.728	0.011	0.048	0.228	1.80	0.127	0.500E	---	---	26
27	---	0B	0 B	0.587	0.021	0.181	0.227	1.21	0.100	0.460E	---	---	27
28	---	0B	0 B	0.496	0.071	0.114	0.238	1.28	0.082	0.420E	---	---	28
29	---		0 B	0.417	0.048	0.088	0.249	1.08	0.081	0.380E	---	---	29
30	---		0.0058	0.388	0.018	0.027	0.218	1.78	0.107	0.380E	---	---	30
31	---		0.0308		0.011		0.269	1.61		0.400E	---	---	31
TOTAL	---	---	0.035	82.827	1.875	1.322	7.554	17.202	18.841	14.778	---	---	TOTAL
MEAN	---	---	0.001	1.78	0.084	0.044	0.244	0.555	0.581	0.477	---	---	MEAN
MAX	---	---	0.030	4.75	0.352	0.181	0.487	1.78	1.52	0.800	---	---	MAX
MIN	---	---	0	0.081	0.010	0.018	0.084	0.122	0.081	0.108	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.457
MAXIMUM DAILY, 4.75B ON APR 13
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
6.26B AT 12:30 MST ON APR 12

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 11 21 N
LONG 119 28 08 W
DRAINAGE AREA, 1 810 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	853
FEB	---	AUG	1 480
MAR	3.03	SEP	1 630
APR	4 870	OCT	1 280
MAY	145	NOV	---
JUN	114	DEC	---

TOTAL DISCHARGE, 9 890 dam³

BEAVERTAIL CREEK NEAR HYTHE - STATION NO. 07GD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.060	0.008	0.188	0.051	1.27	0.028	0.0488	---	1
2	---	---	0B	0 B	0.061	0.035	0.188	0.034	1.10	0.025	0.0178	---	2
3	---	---	0B	0 B	0.050	0.004	0.231	0.067	0.945	0.061	---	---	3
4	---	---	0B	0.0188	0.018	0	0.184	0.038	0.888	0.086	---	---	4
5	---	---	0B	0.0548	0.007	0	0.188	0.058	0.788	0.054	---	---	5
6	---	---	0B	0.1158	0.010	0	0.134	0.048	0.888	0.053	---	---	6
7	---	---	0B	0.1088	0.021	0	0.108	0.044	0.806	0.086	---	---	7
8	---	---	0B	0.1088	0.018	0	0.135	0.050	0.670	0.054	---	---	8
9	---	---	0B	0.0888	0.008	0	0.163	0.062	0.584	0.036	---	---	9
10	---	---	0B	0.0868	0.014	0	0.218	0.113	0.571	0.025	---	---	10
11	---	---	0B	0.1478	0.008	0.032	0.118	0.087	0.688	0.025	---	---	11
12	---	---	0B	0.3188	0.002	0.104	0.110	0.107	0.537	0.035	---	---	12
13	---	---	0B	0.6728	0.002	0.083	0.088	0.072	0.368	0.040	---	---	13
14	---	---	0B	0.8858	0.001	0.048	0.077	0.062	0.340	0.028	---	---	14
15	---	---	0B	0.8558	0	0.032	0.088	0.077	0.333	0.025	---	---	15
16	---	---	0B	0.8048	0	0.044	0.138	0.378	0.287	0.036	---	---	16
17	---	---	0B	0.5158	0	0.020	0.128	0.374	0.270	0.028	---	---	17
18	---	---	0B	0.4288	0	0.008	0.088	0.326	0.238	0.030	---	---	18
19	---	---	0B	0.358	0	0.004	0.062	0.257	0.208	0.032	---	---	19
20	---	0B	0B	0.304	0	0.002	0.053	0.212	0.178	0.036	---	---	20
21	---	0B	0B	0.283	0	0.027	0.047	0.177	0.124	0.035	---	---	21
22	---	0B	0B	0.298	0.005	0.088	0.038	0.148	0.088	0.038	---	---	22
23	---	0B	0B	0.308	0.005	0.089	0.038	0.142	0.083	0.037	---	---	23
24	---	0B	0B	0.327	0.017	0.044	0.032	0.384	0.033	0.038	---	---	24
25	---	0B	0B	0.288	0.004	0.008	0.088	0.828	0.013	0.036	---	---	25
26	---	0B	0B	0.284	0.001	0.002	0.138	1.01	0.012	0.036	---	---	26
27	---	0B	0B	0.344	0	0.023	0.178	1.18	0.018	0.025	---	---	27
28	---	0B	0B	0.181	0	0.118	0.184	1.45	0.012	0.024	---	---	28
29	---		0B	0.123	0	0.214	0.138	1.83	0.013	0.010	---	---	29
30	---		0B	0.103	0	0.202	0.143	1.84	0.021	0.008	---	---	30
31	---		0B		0		0.110	1.48		0.0318	---	---	31
TOTAL	---	---	0	8.084	0.331	1.223	3.741	12.848	11.724	1.100	---	---	TOTAL
MEAN	---	---	0	0.288	0.011	0.041	0.121	0.405	0.391	0.035	---	---	MEAN
MAX	---	---	0	0.888	0.080	0.214	0.221	1.84	1.27	0.088	---	---	MAX
MIN	---	---	0	0	0	0	0.032	0.028	0.012	0.008	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.158
MAXIMUM DAILY, 1.84 ON AUG 30
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.87 AT 16:00 MST ON AUG 28

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 16 57 N
LONG 119 36 26 W
DRAINAGE AREA, 562 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	323
FEB	---	AUG	1 080
MAR	0	SEP	1 010
APR	687	OCT	95.0
MAY	36.8	NOV	---
JUN	106	DEC	---

TOTAL DISCHARGE, 3 340 dam³

BEDDINGTON CREEK NEAR CALGARY - STATION NO. 05BN904

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.082	0.044	0.082	0.002	0.028	0.015	---	---	1
2	---	---	---	---	0.114	0.039	0.076	0.004	0.022	0.015	---	---	2
3	---	---	---	---	0.108	0.043	0.041	0.006	0.039	0.015	---	---	3
4	---	---	---	---	0.115	0.039	0.021	0.015	0.031	0.015	---	---	4
5	---	---	---	---	0.095	0.028	0.014	0.018	0.028	0.018	---	---	5
6	---	---	---	0.2058	0.077	0.031	0.010	0.008	0.022	0.020	---	---	6
7	---	---	---	---	0.088	0.047	0.008	0.005	0.028	0.018	---	---	7
8	---	---	---	---	0.081	0.035	0.005	0.003	0.028	0.018	---	---	8
9	---	---	---	---	0.078	0.050	0.004	0.003	0.028	0.018	---	---	9
10	---	---	---	---	0.071	0.069	0.018	0.003	0.027	0.020	---	---	10
11	---	---	---	---	0.084	0.068	0.030	0.005	0.027	0.024	---	---	11
12	---	---	---	---	0.148	0.066	0.018	0.003	0.023	0.023	---	---	12
13	---	---	---	---	0.104	0.068	0.022	0.001	0.017	0.022	---	---	13
14	---	---	---	---	0.080	0.048	0.028	0.008	0.018	0.021	---	---	14
15	---	---	---	---	0.073	0.035	0.022	0.007	0.014	0.023	---	---	15
16	---	---	---	---	0.087	0.041	0.018	0.008	0.018	0.022	---	---	16
17	---	---	---	---	0.083	0.085	0.020	0.010	0.020	0.018	---	---	17
18	---	---	---	---	0.088	0.088	0.013	0.014	0.023	0.024	---	---	18
19	---	---	---	0.204A	0.040	0.061	0.011	0.018	0.020	0.036	---	---	19
20	---	---	---	0.188	0.037	0.044	0.007	0.021	0.018	0.037	---	---	20
21	---	---	---	0.152	0.034	0.034	0.008	0.020	0.017	0.027	---	---	21
22	---	---	---	0.148	0.032	0.034	0.007	0.013	0.017	0.023	---	---	22
23	---	---	---	0.144	0.021	0.045	0.004	0.013	0.018	0.023	---	---	23
24	---	---	---	0.140	0.081	0.061	0.003	0.012	0.014	0.020	---	---	24
25	---	---	---	0.118	0.085	0.068	0.001	0.010	0.018	0.018	---	---	25
26	---	---	---	0.087	0.087	0.132	0.001	0.013	0.013	0.022	---	---	26
27	---	---	---	0.118	0.084	0.114	0	0.015	0.010	0.0208	---	---	27
28	---	---	---	0.089	0.078	0.068	0	0.028	0.010	0.0208	---	---	28
29	---		---	0.102	0.085	0.078	0	0.038	0.010	0.0208	---	---	29
30	---		---	0.088	0.068	0.084	0	0.034	0.013	0.0208	---	---	30
31	---		---		0.082		0.001	0.031		0.0208		---	31
TOTAL	---	---	---	---	3.373	1.888	0.500	0.381	0.618	0.888	---	---	TOTAL
MEAN	---	---	---	---	0.073	0.068	0.016	0.012	0.021	0.021	---	---	MEAN
MAX	---	---	---	---	0.148	0.132	0.082	0.038	0.038	0.038	---	---	MAX
MIN	---	---	---	---	0.031	0.028	0	0.001	0.010	0.015	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MINIMUM DAILY, 0 ON JUL 27

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 12 30 N
LONG 114 08 40 W
DRAINAGE AREA, 250 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	43.2
FEB	---	AUG	33.6
MAR	---	SEP	53.3
APR	---	OCT	58.9
MAY	198	NOV	---
JUN	143	DEC	---

BELLY - ST. MARY DIVERSION CANAL - STATION NO. 05AD021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0E	0E	0E	0	46.8	62.7	82.3	37.1	26.7	12.7	0E	0E	1
2	0E	0E	0E	0	51.1	58.8	81.7	36.4	26.8	18.3	0E	0E	2
3	0E	0E	0E	0	58.5	67.5	80.3	36.6	26.3	18.6	0E	0E	3
4	0E	0E	0E	0	58.4	65.5	58.6	34.7	26.0	16.8	0E	0E	4
5	0E	0E	0E	0	60.1	66.1	57.7	30.6	25.4	15.9	0E	0E	5
6	0E	0E	0E	0	63.5	67.4	57.2	28.4	26.0	14.4	0E	0E	6
7	0E	0E	0E	0	66.0	66.6	66.9	28.8	19.1	11.8	0E	0E	7
8	0E	0E	0E	0	66.1	66.2	63.1	28.6	12.9	11.1	0E	0E	8
9	0E	0E	0E	0	66.6	65.9	62.4	28.1	13.7	10.9	0E	0E	9
10	0E	0E	0E	1.49	67.0	70.2	60.6	28.1	13.6	8.40	0E	0E	10
11	0E	0E	0E	4.04	66.3	69.6	60.9	23.3	13.6	0.104	0E	0E	11
12	0E	0E	0E	8.48	65.6	66.1	46.6	23.6	13.6	0	0E	0E	12
13	0E	0E	0E	15.8	61.2	64.7	46.7	23.6	13.6	0	0E	0E	13
14	0E	0E	0E	24.1	56.1	63.2	56.6	23.3	13.7	0	0E	0E	14
15	0E	0E	0E	29.8	56.6	62.8	59.6	21.7	12.7	0	0E	0E	15
16	0E	0E	0E	33.4	62.4	64.8	58.1	21.3	12.6	0	0E	0E	16
17	0E	0E	0E	36.7	66.0	67.6	57.8	19.7	12.7	0	0E	0E	17
18	0E	0E	0E	42.6	63.8	66.6	58.4	19.7	13.7	0	0E	0E	18
19	0E	0E	0E	46.4	63.6	65.6	54.6	19.4	12.6	0	0E	0E	19
20	0E	0E	0E	49.7	63.6	66.6	51.6	19.1	13.6	0	0E	0E	20
21	0E	0E	0E	52.1	62.6	61.4	47.6	18.0	12.6	0	0E	0E	21
22	0E	0E	0E	56.6	60.6	66.6	47.1	18.0	12.6	0	0E	0E	22
23	0E	0E	0E	57.9	60.6	66.6	46.4	17.3	12.6	0	0E	0E	23
24	0E	0E	0E	57.1	60.4	66.4	43.1	18.1	12.4	0	0E	0E	24
25	0E	0E	0E	54.9	60.6	66.9	42.7	23.6	13.7	0	0E	0E	25
26	0E	0E	0E	53.6	66.6	62.3	42.4	37.2	13.9	0	0E	0E	26
27	0E	0E	0E	51.6	66.0	66.6	41.6	36.6	13.7	0	0E	0E	27
28	0E	0E	0E	50.6	60.4	66.1	40.6	33.0	12.6	0	0E	0E	28
29	0E		0A	48.0	60.1	66.2	40.2	33.3	13.7	0	0E	0E	29
30	0E		0	47.7	60.6	64.1	39.6	30.4	13.7	0	0E	0E	30
31	0E		0		61.0		38.9	28.4		0 A		0E	31
TOTAL	0	0	0	821.01	1 897.7	1 936.2	1 666.3	803.6	484.1	130.804	0	0	TOTAL
MEAN	0	0	0	27.4	61.2	64.6	61.1	25.9	16.9	4.22	0	0	MEAN
MAX	0	0	0	57.9	66.6	70.2	83.3	37.2	26.7	18.6	0	0	MAX
MIN	0	0	0	0	46.8	58.4	38.9	18.1	12.4	0	0	0	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 30.8
MAXIMUM DAILY, 70.2 ON JUN 10
MINIMUM DAILY, 0E ON JAN 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 20 10 N
LONG 113 33 07 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1988

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	137 000
FEB	0	AUG	88 400
MAR	0	SEP	40 100
APR	70 800	OCT	11 300
MAY	184 000	NOV	0
JUN	187 000	DEC	0

TOTAL DISCHARGE, 680 000 dam³

BELLY RIVER NEAR GLENWOOD - STATION NO. 05AD041

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.10 B	1.10 B	0.8888	4.62 B	1.22	1.09	1.71	1.10	2.13	5.78	5.82	6.62	1
2	1.20 B	0.8008	0.8008	4.28 B	1.26	1.09	1.68	1.24	1.87	3.85	5.48	6.56	2
3	1.30 B	0.8408	0.8408	3.84 B	1.32	1.56	1.66	1.30	1.88	1.88	5.40	6.68	3
4	1.40 B	0.7008	1.10 B	3.48 B	1.31	4.13	1.62	1.28	1.82	1.84	5.80	6.87	4
5	1.25 B	0.7708	1.30 B	3.30 B	1.36	2.12	1.60	1.16	1.88	1.83	5.80	6.88	5
6	1.10 B	0.8308	1.88 B	3.58 B	1.40	1.13	1.61	1.08	1.80	1.84	5.48	7.25	6
7	1.00 B	1.02 B	1.78 B	4.01	4.73	1.81	1.87	1.01	4.48	1.47	5.47	7.81	7
8	0.8508	1.13 B	1.88 B	4.51	7.08	1.61	1.88	0.981	12.7	1.38	5.38	7.53	8
9	0.8308	1.18 B	2.02 B	3.88	3.24	2.81	1.81	1.09	13.1	1.28	5.47	7.288	9
10	0.8508	1.20 B	2.10 B	3.19	2.05	10.3	1.82	1.38	13.4	2.34	7.07	7.188	10
11	1.00 B	1.18 B	2.05 B	1.33	1.47	38.5	1.78	1.48	13.3	2.74	18.8	3.478	11
12	1.20 B	1.17 B	2.02 B	1.12	1.33	53.8	1.82	1.81	12.6	3.82	38.7	5.888	12
13	1.20 B	1.04 B	1.90 B	1.02	1.22	38.1	1.70	1.88	12.0	4.12	35.8	6.848	13
14	1.10 B	1.03 B	1.70 B	1.15	1.10	28.4	1.74	1.88	11.2	5.71	24.2	6.888	14
15	1.12 B	0.9908	1.80 B	1.33	1.01	23.4	1.82	1.82	10.8	8.33	18.3	8.108	15
16	1.15 B	0.8308	1.48 B	1.30	1.02	18.3	1.80	2.08	10.4	8.58	15.7	8.408	16
17	1.28 B	0.8008	1.40 B	1.28	1.02	11.7	1.88	2.82	10.4	8.82	14.7	4.808	17
18	1.48 B	0.8208	1.60 B	1.34	1.26	8.76	1.88	3.88	11.8	8.48	13.2	3.838	18
19	1.88 B	0.8508	1.98 B	1.27	1.84	6.82	1.44	4.27	11.4	8.18	12.4	3.028	19
20	1.80 B	1.05 B	2.10 B	1.27	1.39	4.23	1.41	4.28	10.8	8.17	10.8	8.808	20
21	1.45 B	1.28 B	2.35 B	1.38	1.38	11.4	1.31	3.38	10.8	8.34	11.0	8.708	21
22	1.20 B	1.40 B	2.63 B	1.88	1.33	13.4	1.20	1.81	10.3	8.28	11.0	8.808	22
23	1.05 B	1.38 B	2.70 B	0.988	1.27	11.2	1.28	1.80	10.1	8.72	10.7	8.758	23
24	1.10 B	1.30 B	2.85 B	1.17	1.24	10.2	1.28	1.78	9.85	7.47	10.4	8.808	24
25	1.40 B	1.20 B	3.15 B	1.48	1.21	10.8	1.31	1.88	9.38	7.88	9.48	8.108	25
26	1.70 B	1.18 B	3.43 B	1.33	1.19	8.33	1.14	2.74	8.27	7.34	8.82	8.808	26
27	1.88 B	1.08 B	3.70 B	1.38	1.18	2.31	1.14	2.72	7.08	7.07	8.31	4.708	27
28	2.01 B	1.00 B	4.00 B	1.27	1.28	1.42	1.19	2.86	6.81	6.81	7.81	3.808	28
29	2.10 B		4.40 B	1.23	1.18	1.21	1.14	2.47	6.38	6.51	7.47	3.408	29
30	2.08 B		4.70 B	1.24	1.18	1.45	1.08	2.33	6.57	8.24	7.01	3.308	30
31	1.70 B		5.00 B		1.14		1.08	2.28		8.10		3.488	31
TOTAL	41.810	28.480	71.038	83.388	50.83	335.10	48.10	82.321	283.94	148.32	383.48	177.88	TOTAL
MEAN	1.34	1.05	2.28	2.11	1.84	10.8	1.48	2.01	8.48	4.82	11.8	5.73	MEAN
MAX	2.10	1.48	5.00	4.82	7.08	53.8	1.82	4.27	13.4	7.88	38.7	7.81	MAX
MIN	0.830	0.880	0.888	0.888	1.01	1.08	1.08	0.881	1.80	1.38	5.38	3.02	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.48
MAXIMUM DAILY, 53.8 ON JUN 12
MINIMUM DAILY, 0.8808 ON FEB 3
MAXIMUM INSTANTANEOUS,
89.8 AT 02:00 MST ON JUN 12

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 21 08 N
LONG 113 38 48 W
DRAINAGE AREA, 887 km²

B - ICE CONDITIONS

REGULATED SINCE 1938

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 880	JUL	3 880
FEB	2 840	AUG	5 380
MAR	6 140	SEP	21 800
APR	5 470	OCT	12 800
MAY	4 380	NOV	30 800
JUN	28 100	DEC	15 300

TOTAL DISCHARGE, 140 000 dam³

BELLY RIVER NEAR MOUNTAIN VIEW - STATION NO. 05AD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.05 B	0.4448	0.2908	1.888	8.14	17.7	18.4	8.42	12.7	4.88	5.41	5.728	1
2	1.28 B	0.7058	0.8858	2.088	11.7	22.7	18.8	8.48	11.8	4.82	5.22	5.488	2
3	1.28 B	2.08 B	1.03 B	2.278	12.8	28.7	18.7	8.38	11.4	4.88	5.11	4.888	3
4	1.80 B	2.00 B	1.48 B	2.288	13.8	32.3	18.3	8.38	11.2	4.14	5.28	5.818	4
5	1.78 B	1.88 B	1.81 B	2.078	16.2	31.8	14.8	4.82	11.3	3.83	5.28	6.278	5
6	1.80 B	1.48 B	1.38 B	2.88	18.8	34.8	14.8	4.48	11.2	3.77	5.17	8.788	6
7	1.88 B	1.78 B	1.08 B	3.83	27.2	38.3	13.8	4.32	10.8	3.81	5.28	8.878	7
8	1.80 B	1.88 B	0.8408	4.18	38.8	37.2	12.8	4.32	11.7	3.43	5.27	8.888	8
9	1.70 B	1.80 B	1.08 B	4.00	38.8	38.7	12.7	4.82	11.7	3.24	5.73	8.288	9
10	1.80 B	1.84 B	2.00 B	4.01	33.8	38.8	12.1	5.10	11.8	3.26	8.78	8.618	10
11	1.48 B	1.48 B	4.00 B	3.88	38.8	80.8	10.8	5.41	10.8	4.11	28.1	6.878	11
12	1.28 B	1.40 B	3.78 B	4.01	30.7	88.8	8.88	5.17	10.2	4.88	38.8	6.828	12
13	1.08 B	1.37 B	3.28 B	4.24	24.8	45.8	13.3	4.82	8.88	4.11	28.8	6.888	13
14	0.7818	1.24 B	2.43 B	4.78	20.1	38.2	18.3	4.78	8.14	8.83	21.2	6.818	14
15	0.6138	1.28 B	2.87 B	8.28	17.8	37.4	17.8	4.78	8.72	8.38	17.8	8.228	15
16	0.8238	1.14 B	2.88 B	8.17	17.1	37.1	16.8	4.87	8.28	8.42	12.8	4.888	16
17	0.8498	1.03 B	2.81 B	8.38	16.2	32.8	15.8	4.88	8.78	8.31	12.8	4.418	17
18	0.8148	1.08 B	2.23 B	8.24	16.7	27.8	13.8	4.88	8.61	8.18	11.1	4.208	18
19	1.11 B	1.15 B	1.88 B	8.88	16.1	23.8	12.8	3.72	8.17	8.28	10.8	8.888	19
20	1.38 B	1.14 B	1.84 B	11.3	16.8	22.8	12.3	3.84	8.78	4.77	11.8	8.388	20
21	2.08 B	1.41 B	1.88 B	14.8	14.8	20.2	12.7	3.48	8.37	8.81	11.8	8.888	21
22	2.00 B	1.27 B	1.84 B	18.8	12.8	18.8	12.4	3.47	7.87	8.88	11.1	8.788	22
23	1.82 B	1.18 B	1.84 B	18.2	12.8	18.7	11.4	3.81	7.81	7.88	10.8	8.888	23
24	1.87 B	0.8728	1.88 B	17.2	12.8	18.3	8.88	8.88	7.17	7.74	8.88	8.188	24
25	1.78 B	0.8728	2.88 B	16.8	12.1	18.8	8.88	18.8	8.84	7.88	8.31	8.888	25
26	1.71 B	0.8648	2.88 B	13.1	11.4	18.8	8.88	23.3	8.38	7.12	8.848	4.448	26
27	1.37 B	0.8888	2.32 B	11.8	11.8	18.1	8.88	20.4	8.18	8.82	8.428	3.828	27
28	0.8088	0.3588	2.84 B	10.8	11.8	18.8	8.28	18.8	8.88	8.84	8.878	3.388	28
29	0.4408		2.87 B	8.88	11.1	18.4	7.88	18.8	8.12	8.17	7.288	3.288	29
30	0.3008		2.28 B	8.18	11.8	18.8	7.47	18.3	4.72	8.88	8.838	3.238	30
31	0.2888		2.15 B		13.8		7.82	14.2		8.88		3.318	31
TOTAL	48.324	38.784	82.818	238.84	884.34	888.2	385.87	248.84	274.31	187.48	340.88	188.87	TOTAL
MEAN	1.38	1.28	2.88	7.88	18.2	28.8	12.4	7.88	8.14	8.48	11.8	8.28	MEAN
MAX	2.88	2.88	4.88	18.2	38.8	88.8	18.4	23.3	12.7	7.74	28.8	8.87	MAX
MIN	0.288	0.388	0.298	1.88	8.14	17.7	7.82	3.48	4.72	3.24	8.11	3.23	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.37
MAXIMUM DAILY, 88.8 ON JUN 11
MINIMUM DAILY, 0.2888 ON JAN 31
MAXIMUM INSTANTANEOUS,
83.8 AT 17:28 MST ON JUN 11

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 08 88 N
LONG 113 41 48 W
DRAINAGE AREA, 318 km²

B - ICE CONDITIONS

REGULATED SINCE 1938

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 488	JUL	24 200
FEB	3 080	AUG	21 300
MAR	8 360	SEP	22 700
APR	20 800	OCT	14 800
MAY	48 800	NOV	28 400
JUN	78 800	DEC	14 400

TOTAL DISCHARGE, 288 000 dam³

BERLAND RIVER NEAR THE MOUTH - STATION NO. 07AC007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	5.708	7.438	82.2	88.0	103	73.4	122	82.3	22.08	---	1
2	---	---	5.888	8.448	83.1	78.4	131	88.8	114	82.8	---	---	2
3	---	---	6.008	8.848	81.2	84.5	152	228	107	81.1	---	---	3
4	---	---	5.958	9.388	78.5	78.8	131	342	88.8	48.4	---	---	4
5	---	---	6.208	9.808	72.4	79.3	123	288	88.2	46.1	---	---	5
6	---	---	6.308	10.1 B	88.2	85.1	151	212	87.2	47.7	---	---	6
7	---	---	6.388	10.8 B	88.0	88.0	130	180	104	47.8	---	---	7
8	---	---	6.288	11.6 B	88.3	81.2	120	160	102	48.7	---	---	8
9	---	---	6.388	12.4 B	87.0	81.2	108	150	107	48.0	---	---	9
10	5.878	---	6.258	12.9 B	85.4	88.8	188	134	108	44.1	---	---	10
11	---	---	6.238	13.4 B	87.4	107	182	131	88.1	43.8	---	---	11
12	---	---	6.258	14.7 B	73.2	88.0	188	118	81.8	42.4	---	---	12
13	---	---	6.248	15.8 B	87.8	88.2	178	104	87.4	41.8	---	---	13
14	---	---	6.258	18.0 B	87.8	81.1	152	93.8	82.8	40.1	---	---	14
15	---	---	6.288	16.8 B	80.7	78.8	171	84.0	78.8	38.0	---	---	15
16	---	5.828	6.258	17.8 B	48.8	76.4	170	118	77.0	37.8	---	---	16
17	---	---	6.278	18.8 B	48.2	71.4	148	193	76.0	36.8	---	---	17
18	---	---	6.178	19.8 B	48.8	83.7	128	348	78.3	35.8	---	---	18
19	---	---	6.148	21.0 B	71.8	87.8	118	307	78.8	35.5	---	---	19
20	---	---	6.188	23.3 B	102	84.2	103	281	74.6	38.0	---	---	20
21	---	---	6.218	25.0 B	104	80.7	88.8	227	72.8	35.7	---	---	21
22	---	---	6.388	24.8 B	88.4	47.8	93.7	214	88.1	36.2	---	---	22
23	---	---	6.408	22.8 B	87.1	48.8	88.3	198	88.8	34.3	---	---	23
24	---	---	6.378	22.2 B	78.0	48.0	84.3	177	82.2	33.7	---	---	24
25	---	---	6.338	23.0 B	72.8	48.8	82.8	183	81.2	32.8	---	---	25
26	---	---	6.378	25.0 B	74.0	48.7	77.1	158	58.4	32.8	---	---	26
27	---	---	6.368	27.8 B	72.8	72.3	88.8	150	57.1	32.7	---	---	27
28	---	---	6.418	31.0 B	73.7	138	85.4	141	55.3	32.2	---	---	28
29	---		6.598	34.5 B	88.8	137	85.5	137	53.1	30.2	---	---	29
30	---		7.088	42.0 B	83.8	114	87.3	135	51.7	29.28	---	---	30
31	---		7.488		81.0		77.0	130		28.28		---	31
TOTAL	---	---	185.44	557.58	2 194.8	2 348.8	3 818.4	5 412.8	2 483.4	1 226.7	---	---	TOTAL
MEAN	---	---	5.30	18.8	70.8	78.3	123	175	82.8	38.8	---	---	MEAN
MAX	---	---	7.48	42.0	104	137	188	348	122	82.8	---	---	MAX
MIN	---	---	5.70	7.82	48.2	48.8	88.4	88.8	51.7	28.2	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 74.4
MAXIMUM DAILY, 348 ON AUG 18
MINIMUM DAILY, 5.708 ON MAR 1
MAXIMUM INSTANTANEOUS,
350 AT 04:14 MST ON AUG 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 00 47 N
LONG 118 57 47 W
DRAINAGE AREA, 4 740 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	330 000
FEB	---	AUG	488 000
MAR	16 900	SEP	215 000
APR	48 200	OCT	106 000
MAY	190 000	NOV	---
JUN	203 000	DEC	---

TOTAL DISCHARGE, 1 580 000 dam³

BERRY CREEK BELOW DEADFISH CREEK - STATION NO. 05CH018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0288	0.088	0.882	0.238	0.508	0.118	0.081	0.0148	---	1
2	---	---	0 B	0.0808	0.088	0.841	0.343	0.484	0.104	0.047	---	---	2
3	---	---	0 B	0.0888	0.088	0.828	0.322	0.388	0.104	0.031	---	---	3
4	---	---	0 B	0.1288	0.089	0.788	0.380	0.420	0.080	0.028	---	---	4
5	---	---	0 B	0.1008	0.048	0.838	0.427	0.471	0.088	0.047	---	---	5
6	---	---	0 B	0.1628	0.051	0.882	0.800	0.480	0.082	0.038	---	---	6
7	---	---	0 B	0.2888	0.052	0.482	0.770	0.478	0.083	0.028	---	---	7
8	---	---	0 B	0.2628	0.048	0.340	0.788	0.480	0.080	0.017	---	---	8
9	---	---	0 B	0.1888	0.048	0.321	0.780	0.471	0.047	0.018	---	---	9
10	---	---	0 B	0.1778	0.041	0.323	0.781	0.433	0.044	0.038	---	---	10
11	---	---	0 B	0.1828	0.037	0.338	0.788	0.412	0.037	0.088	---	---	11
12	---	---	0 B	0.1538	0.037	0.331	0.714	0.343	0.031	0.038	---	---	12
13	---	---	0 B	0.1618	0.033	0.338	0.632	0.331	0.021	0.018	---	---	13
14	---	---	0 B	0.158	0.033	0.381	0.851	0.288	0.012	0.018	---	---	14
15	---	---	0 B	0.184	0.037	0.388	0.538	0.281	0.010	0.0178	---	---	15
16	---	---	0 B	0.118	0.042	0.480	0.818	0.278	0.008	0.0308	---	---	16
17	---	---	0 B	0.112	0.834	0.813	0.818	0.271	0.014	0.0238	---	---	17
18	---	---	0 B	0.104	1.02	0.711	0.802	0.278	0.013	0.0188	---	---	18
19	---	---	0 B	0.098	1.08	0.828	0.893	0.271	0.008	0.011	---	---	19
20	---	---	0 B	0.097	0.888	0.868	0.867	0.278	0.080	0.009	---	---	20
21	---	---	0 B	0.101	0.847	0.884	0.885	0.273	0.088	0.008	---	---	21
22	---	---	0 B	0.098	0.884	0.837	1.08	0.226	0.028	0.004	---	---	22
23	---	08	0 B	0.087	0.983	0.878	1.44	0.288	0.031	0.007	---	---	23
24	---	08	0 B	0.082	1.01	0.438	1.48	0.282	0.027	0.008	---	---	24
25	---	08	0 B	0.078	0.938	0.328	1.42	0.282	0.018	0.005	---	---	25
26	---	08	0 B	0.074	0.884	0.288	1.37	0.328	0.008	0.0088	---	---	26
27	---	08	0 B	0.088	0.820	0.238	1.08	0.188	0.012	0.0078	---	---	27
28	---	08	0 B	0.087	0.878	0.217	1.01	0.174	0.012	0.0088	---	---	28
29	---		0 B	0.086	0.868	0.200	0.707	0.151	0.013	0.0128	---	---	29
30	---		0 A	0.058	0.818	0.187	0.843	0.134	0.033	0.0188	---	---	30
31	---		0.0088		0.814		0.878	0.130		0.0188		---	31
TOTAL	---	---	0.008	3.800	14.082	14.404	24.708	9.883	1.277	0.878	---	---	TOTAL
MEAN	---	---	0	0.117	0.484	0.480	0.787	0.318	0.043	0.033	---	---	MEAN
MAX	---	---	0.008	0.288	1.08	0.882	1.48	0.508	0.118	0.088	---	---	MAX
MIN	---	---	0	0.025	0.033	0.187	0.228	0.130	0.008	0.004	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.280
MAXIMUM DAILY, 1.48 ON JUL 24
MINIMUM DAILY, 08 ON MAR 1
MAXIMUM INSTANTANEOUS,
1.49 AT 11:40 MST ON JUL 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 58 08 N
LONG 111 45 58 W
DRAINAGE AREA, 2 480 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 130
FEB	---	AUG	882
MAR	0.43	SEP	110
APR	302	OCT	96.6
MAY	1 210	NOV	---
JUN	1 240	DEC	---

TOTAL DISCHARGE, 5 900 dam³

BERRY CREEK NEAR ROSE LYNN - STATION NO. 08CH008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0	0	0	0	0	0	---	---	4
5	---	---	0	0.019A	0	0	0	0	0	0	---	---	5
6	---	---	0	0.424	0	0	0	0	0	0	---	---	6
7	---	---	0	0.470	0	0	0	0	0	0	---	---	7
8	---	---	0	0.444	0	0	0	0	0	0	---	---	8
9	---	---	0	0.336	0	0	0	0	0	0	---	---	9
10	---	---	0	0.281	0	0	0	0	0	0	---	---	10
11	---	---	0	0.206	0	0	0	0	0	0	---	---	11
12	---	---	0	0.187	0	0	0	0	0	0	---	---	12
13	---	---	0	0.181	0	0	0	0	0	0	---	---	13
14	---	---	0	0.167	0	0	0	0	0	0	---	---	14
15	---	---	0	0.160	0	0	0	0	0	0	---	---	15
16	---	---	0	0.138	0	0	0	0	0	0	---	---	16
17	---	---	0	0.108	0	0	0	0	0	0	---	---	17
18	---	---	0	0.088	0	0	0	0	0	0	---	---	18
19	---	---	0	0.082	0	0	0	0	0	0	---	---	19
20	---	---	0	0.043	0	0	0	0	0	0	---	---	20
21	---	0A	0	0.030	0	0	0	0	0	0	---	---	21
22	---	0	0	0.022	0	0	0	0	0	0	---	---	22
23	---	0	0	0.012	0	0	0	0	0	0	---	---	23
24	---	0	0	0.006	0	0	0	0	0	0	---	---	24
25	---	0	0	0.001	0	0	0	0	0	0	---	---	25
26	---	0	0	0	0	0	0	0	0	0	---	---	26
27	---	0	0	0	0	0	0	0	0	0	---	---	27
28	---	0	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0A	---	---	29
30	---		0	0	0	0	0	0	0	0E	---	---	30
31	---		0		0		0	0				---	31
TOTAL	---	---	0	3.331	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.111	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.470	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.014
MAXIMUM DAILY, 0.470 ON APR 7
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.599 AT 16:33 MST ON APR 6

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 34 56 N
LONG 111 38 41 W
DRAINAGE AREA, 1 880 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	288	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 288 dam³

BERRY CREEK NEAR THE MOUTH - STATION NO. 08CH007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0028	0.2348	0.082	0.218	0.012	0.144	0.083	0.007	0.007A	---	1
2	---	---	0.0028	0.1808	0.077	0.234	0.008	0.137	0.088	0.008	---	---	2
3	---	---	0.0028	0.1678	0.077	0.188	0.005	0.103	0.073	0.008	---	---	3
4	---	---	0.0028	0.1648	0.078	0.087	0.003	0.158	0.158	0.004	---	---	4
5	---	---	0.0028	0.1678	0.074	0.054	0.002	0.148	0.138	0.003	---	---	5
6	---	---	0.0018	0.1928	0.085	0.045	0.002	0.089	0.124	0.003	---	---	6
7	---	---	0.0018	0.2028	0.084	0.188	0.001	0.043	0.117	0.005	---	---	7
8	---	---	0.0018	0.2128	0.082	0.143	0.001	0.180	0.103	0.004	---	---	8
9	---	---	0.0018	0.2388	0.080	0.288	0.001	0.188	0.083	0.003	---	---	9
10	---	---	0.0018	0.2468	0.048	0.271	0.171	0.116	0.073	0.004	---	---	10
11	---	---	0.0018	0.2708	0.038	0.177	0.347	0.081	0.083	0.002	---	---	11
12	---	---	0.0018	0.3148	0.030	0.124	0.318	0.088	0.088	0.003	---	---	12
13	---	---	0.0018	0.323	0.030	0.130	0.278	0.093	0.038	0.003	---	---	13
14	---	---	0.0018	0.288	0.028	0.138	0.274	0.071	0.027	0.001	---	---	14
15	---	---	0.0018	0.268	0.026	0.088	0.248	0.088	0.021	0.002	---	---	15
16	---	---	0.0018	0.258	0.028	0.083	0.223	0.078	0.017	0.003	---	---	16
17	---	---	0.0018	0.230	0.027	0.024	0.158	0.088	0.020	0.002	---	---	17
18	---	---	0.0018	0.223	0.024	0.012	0.072	0.043	0.021	0.002	---	---	18
19	---	---	0.0018	0.202	0.021	0.036	0.038	0.048	0.017	0.003	---	---	19
20	---	---	0.0018	0.190	0.428	0.048	0.008	0.031	0.008	0.003	---	---	20
21	---	---	0.0048	0.178	0.880	0.118	0.007	0.088	0.008	0.003	---	---	21
22	---	---	0.0048	0.148	0.404	0.121	0.005	0.083	0.007	0.003	---	---	22
23	---	---	0.0058	0.138	0.188	0.058	0.004	0.107	0.005	0.003	---	---	23
24	---	---	0.0088	0.128	0.185	0.014	0.002	0.114	0.004	0.005	---	---	24
25	---	---	0.0088	0.108	0.814	0.038	0.338	0.137	0.004	0.007	---	---	25
26	---	---	0.0178	0.111	0.871	0.081	0.333	0.101	0.004	0.007	---	---	26
27	---	---	0.0488	0.109	0.858	0.055	0.080	0.084	0.004	0.008	---	---	27
28	---	---	0.0858	0.102	0.583	0.051	0.038	0.157	0.005	0.007	---	---	28
29	---		0.1738	0.088	0.474	0.038	0.088	0.143	0.005	0.007	---	---	29
30	---		0.2808	0.088	0.407	0.021	0.128	0.082	0.008	0.008	---	---	30
31	---		0.2808		0.350		0.111	0.102		0.007		---	31
TOTAL	---	---	0.894	5.833	8.498	3.138	3.233	3.185	1.381	0.128	---	---	TOTAL
MEAN	---	---	0.028	0.194	0.210	0.105	0.104	0.103	0.048	0.004	---	---	MEAN
MAX	---	---	0.280	0.323	0.880	0.271	0.347	0.180	0.188	0.007	---	---	MAX
MIN	---	---	0.001	0.088	0.024	0.012	0.001	0.043	0.004	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.088
MAXIMUM DAILY, 0.880 ON MAY 21
MINIMUM DAILY, 0.0018 ON MAR 6

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 51 18 N
LONG 111 38 28 W
DRAINAGE AREA, 3 730 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	278
FEB	---	AUG	276
MAR	77.3	SEP	119
APR	504	OCT	11.1
MAY	583	NOV	---
JUN	271	DEC	---

TOTAL DISCHARGE, 2 100 dam³

BERRY CREEK RESERVOIR NEAR SUNNYNOOK - STATION NO. 05CH014

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	731.884	731.880	731.884	731.827	731.956	731.727	731.719	731.830	---	---	1
2	---	---	731.884A	731.904	732.001	731.823	731.881	731.881	731.713	731.828	---	---	2
3	---	---	731.884E	731.915	731.984	731.830	731.868	731.886	731.708	731.838	---	---	3
4	---	---	731.884E	731.918	731.881	731.828	731.885	731.834	731.701	731.847	---	---	4
5	---	---	731.883E	731.922	731.988	731.827	731.884	731.813	731.887	731.837	---	---	5
6	---	---	731.883E	731.918	731.882	731.827	731.883	731.808	731.884	731.918	---	---	6
7	---	---	731.883E	731.924	731.884	731.811	731.858	731.802	731.888	731.903	---	---	7
8	---	---	731.882E	731.930	731.880	731.808	731.848	731.804	731.880	731.903	---	---	8
9	---	---	731.883E	731.948	731.883	731.811	731.848	731.886	731.872	731.882	---	---	9
10	---	---	731.881E	731.956	731.880	731.818	731.888	731.803	731.887	731.882	---	---	10
11	---	---	731.881E	731.967	731.878	731.818	731.885	731.807	731.881	731.888	---	---	11
12	---	---	731.880E	731.977	731.871	731.808	731.873	731.811	731.888	731.884	---	---	12
13	---	---	731.880E	731.981	731.883	731.802	731.878	731.808	731.885	731.884	---	---	13
14	---	---	731.848E	731.987	731.883	731.807	731.875	731.808	731.877	731.878	---	---	14
15	---	---	731.848E	731.883	731.848	731.810	731.878	731.808	731.886	731.873	---	---	15
16	---	---	731.848E	731.888	731.842	731.808	731.878	731.811	731.712	731.888	---	---	16
17	---	---	731.848E	731.880	731.817	731.803	731.874	731.808	731.721	731.884	---	---	17
18	---	---	731.848E	732.008	731.880	731.804	731.883	731.811	731.732	731.882	---	---	18
19	---	---	731.847E	732.007	731.885	731.804	731.882	731.818	731.748	731.881	---	---	19
20	---	---	731.847E	732.012	731.885	731.802	731.888	731.817	731.782	731.881	---	---	20
21	---	---	731.847A	732.017	731.886	731.881	731.882	731.824	731.784	731.882	---	---	21
22	---	731.848A	731.851	732.012	731.880	731.883	731.842	731.824	731.788	731.880	---	---	22
23	---	731.851	731.847	732.008	731.833	731.901	731.828	731.824	731.808	731.847	---	---	23
24	---	731.848	731.847	732.008	731.840	731.888	731.818	731.828	731.824	731.842	---	---	24
25	---	731.880	731.886	732.001	731.883	731.812	731.806	731.832	731.832	731.843	---	---	25
26	---	731.858	731.887	732.002	731.888	731.818	731.883	731.841	731.881	731.837	---	---	26
27	---	731.881	731.851	732.003	731.882	731.831	731.883	731.881	731.888	731.837	---	---	27
28	---	731.884	731.880	732.004	731.874	731.843	731.841	731.886	731.883	731.831	---	---	28
29	---		731.886	732.005	731.880	731.881	731.810	731.883	731.902	731.821	---	---	29
30	---		731.880	731.888	731.803	731.887	731.778	731.700	731.832	731.827A	---	---	30
31	---		731.886		731.812		731.786	731.717		731.827E		---	31
MEAN	---	---	731.882	731.873	731.830	731.818	731.830	731.832	731.747	731.874	---	---	MEAN
MAX	---	---	731.886	732.017	732.001	731.887	731.978	731.737	731.832	731.947	---	---	MAX
MIN	---	---	731.847	731.880	731.833	731.881	731.788	731.888	731.888	731.821	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 732.017 ON APR 21

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 15 44 N
LONG 111 38 22 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED
DRAINAGE AREA, 1 900 km²

BERRY CREEK RESERVOIR OUTLET - STATION NO. 05CH011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.002E	0	0.328	0.388	0.882	0.003	0	---	---	1
2	---	---	0 B	0.001E	0	0.318	0.881	0.884	0.001	0	---	---	2
3	---	---	0 B	0.001A	0	0.318	0.848	0.880	0	0	---	---	3
4	---	---	0 B	0.001E	0.001	0.338	0.843	0.858	0	0.001	---	---	4
5	---	---	0 B	0.001E	0	0.418	0.831	0.818	0	0.483	---	---	5
6	---	---	0 B	0.001A	0	0.474	0.823	0.845	0	0.482	---	---	6
7	---	---	0 B	0.001E	0	0.452	0.491	0.806	0	0.338	---	---	7
8	---	---	0 B	0.001E	0	0.403	0.438	0.438	0	0.007	---	---	8
9	---	---	0 B	0.001E	0	0.418	0.434	0.487	0	0.004	---	---	9
10	---	---	0 B	0.001A	0	0.423	0.484	0.481	0	0.004	---	---	10
11	---	---	0 B	0.001	0	0.424	0.440	0.483	0	0.003	---	---	11
12	---	---	0 B	0.001	0	0.383	0.428	0.488	0	0.003	---	---	12
13	---	---	0 B	0.001	0	0.339	0.387	0.482	0	0.002	---	---	13
14	---	---	0 B	0.001	0	0.318	0.481	0.481	0	0.001	---	---	14
15	---	---	0 B	0.003	0	0.291	0.474	0.473	0	0.001	---	---	15
16	---	---	0 B	0.003	0.328	0.384	0.481	0.481	0	0.001	---	---	16
17	---	---	0 B	0.002	0.844	0.177	0.503	0.477	0	0.001	---	---	17
18	---	---	0 B	0.002	0.888	0.184	0.513	0.481	0	0.001	---	---	18
19	---	---	0 B	0.002	0.887	0.193	0.507	0.382	0	0.001	---	---	19
20	---	---	0 B	0.003	0.812	0.281	0.491	0.398	0	0.001	---	---	20
21	---	---	0 B	0.002	0.473	0.283	0.818	0.384	0	0.003	---	---	21
22	---	0B	0 B	0.002	0.446	0.268	0.838	0.381	0	0.002	---	---	22
23	---	0B	0 B	0.001	0.388	0.183	0.848	0.388	0	0.002	---	---	23
24	---	0B	0 B	0.001	0.388	0.263	0.717	0.347	0	0.001	---	---	24
25	---	0B	0 B	0.001	0.383	0.314	0.703	0.343	0	0.001	---	---	25
26	---	0B	0 B	0.001	0.382	0.181	0.702	0.341	0	0.001	---	---	26
27	---	0B	0 B	0.001	0.385	0.087	0.888	0.323	0	0.001	---	---	27
28	---	0B	0 B	0	0.361	0.084	0.885	0.033	0	0.001	---	---	28
29	---		0 B	0	0.338	0.231	0.893	0.008	0	0.001	---	---	29
30	---		0.001B	0	0.337	0.338	0.884	0.004	0	0.001A	---	---	30
31	---		0.003B		0.348		0.880	0.008		0.001E		---	31
TOTAL	---	---	0.004	0.038	7.030	8.414	18.778	12.842	0.004	1.335	---	---	TOTAL
MEAN	---	---	0	0.001	0.228	0.280	0.841	0.405	0	0.043	---	---	MEAN
MAX	---	---	0.003	0.003	0.888	0.474	0.717	0.884	0.003	0.483	---	---	MAX
MIN	---	---	0	0	0	0.084	0.388	0.004	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.188
MAXIMUM DAILY, 0.717 ON JUL 24
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.804 AT 07:28 MST ON JUL 24

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 14 23 N
LONG 111 37 51 W
DRAINAGE AREA, 1 930 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1983

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 480
FEB	---	AUG	1 080
MAR	0.38	SEP	0.38
APR	3.38	OCT	118
MAY	807	NOV	---
JUN	727	DEC	---

TOTAL DISCHARGE, 3 880 dam³

BIGELOW RESERVOIR NEAR WIMBORNE - STATION NO. 05CE801

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	882.170E	882.295	882.327	882.263	882.137	881.782	881.410	880.848	---	1
2	---	---	---	882.210E	882.293	882.324	882.262	882.132	881.773	881.391	880.834A	---	2
3	---	---	---	882.249A	882.291	882.319	882.259	882.126	881.778	881.371	---	---	3
4	---	---	---	882.287E	882.290	882.314	882.255	882.124	881.785	881.348	---	---	4
5	---	---	---	882.344A	882.287	882.308	882.253	882.116	881.787	881.327	---	---	5
6	---	---	---	882.378	882.286	882.304	882.252	882.107	881.748	881.312	---	---	6
7	---	---	---	882.428	882.285	882.298	882.251	882.098	881.741	881.303	---	---	7
8	---	882.128A	---	882.464	882.285	882.295	882.249	882.094	881.731	881.293	---	---	8
9	---	---	---	882.483	882.284	882.293	882.248	882.072	881.718	881.282	---	---	9
10	---	---	---	882.497	882.283	882.294	882.242	882.058	881.704	881.269	---	---	10
11	---	---	---	882.484	882.283	882.294	882.242	882.045	881.688	881.256	---	---	11
12	---	---	---	882.483	882.284	882.294	882.241	882.032	881.660	881.243	---	---	12
13	---	---	---	882.474	882.284	882.293	882.238	882.018	881.670	881.228	---	---	13
14	---	---	---	882.474	882.285	882.288	882.238	882.003	881.689	881.218	---	---	14
15	---	---	---	882.473	882.286	882.286	882.238	881.987	881.648	881.206	---	---	15
16	---	---	---	882.481	882.286	882.285	882.234	881.978	881.638	881.190	---	---	16
17	---	---	---	882.464	882.287	882.285	882.230	881.968	881.624	881.178	---	---	17
18	---	---	---	882.415	882.287	882.285	882.216	881.955	881.606	881.168	---	---	18
19	---	---	---	882.382	882.290	882.284	882.208	881.942	881.584	881.143	---	---	19
20	---	---	---	882.373	882.286	882.281	882.202	881.937	881.561	881.128	---	---	20
21	---	---	---	882.368	882.285	882.283	882.197	881.930	881.546	881.108	---	---	21
22	---	---	---	882.362	882.286	882.280	882.192	881.921	881.548	881.082	---	---	22
23	---	---	---	882.353	882.301	882.278	882.186	881.907	881.532	881.074	---	---	23
24	---	---	---	882.338	882.311	882.271	882.177	881.878	881.517	881.060	---	---	24
25	---	---	---	882.321	882.318	882.268	882.168	881.860	881.501	881.050	---	---	25
26	---	---	---	882.317	882.324	882.268	882.161	881.844	881.488	881.038	---	---	26
27	---	---	---	882.311	882.328	882.268	882.154	881.831	881.471	881.021	---	---	27
28	---	---	---	882.308	882.328	882.268	882.152	881.821	881.458	881.008	---	---	28
29	---	---	---	882.301	882.328	882.268	882.148	881.810	881.440	880.990	---	---	29
30	---	---	---	882.287	882.328	882.264	882.147	881.802	881.428	880.977	---	---	30
31	---	---	---		882.327		882.142	881.783		880.963		---	31
MEAN	---	---	---	882.374	882.298	882.288	882.213	881.978	881.628	881.181	---	---	MEAN
MAX	---	---	---	882.497	882.328	882.327	882.263	882.137	881.782	881.410	---	---	MAX
MIN	---	---	---	882.170	882.283	882.264	882.142	881.783	881.428	880.963	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 882.497 ON APR 10

MAXIMUM INSTANTANEOUS,
882.501 AT 16:53 MST ON APR 10

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 53 15 N
LONG 113 27 50 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

A - MANUAL GAUGE
E - ESTIMATED
REGULATED
DRAINAGE AREA,
413 km²

BIGKNIFE CREEK NEAR GADSBY - STATION NO. 05FC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.188	0.026	0	0	0.298	0.004	0	---	---	1
2	---	---	0 B	0.084	0.023	0	1.48	0.128	0.004	0	---	---	2
3	---	---	0 B	0.828	0.018	0	3.17	0.107	0.005	0	---	---	3
4	---	---	0 B	1.61	0.015	0	1.88	0.112	0.005	0	---	---	4
5	---	---	0 B	1.36	0.012	0	1.01	0.104	0.004	0	---	---	5
6	---	---	0 B	1.01	0.010	0	0.546	0.082	0.003	0	---	---	6
7	---	---	0 B	0.888	0.007	0	0.383	0.083	0.002	0	---	---	7
8	---	---	0 B	0.808	0.005	0	0.181	0.081	0.001	0	---	---	8
9	---	---	0 B	0.742	0	0	0.104	0.038	0	0	---	---	9
10	---	---	0	0.644	0	0	0.081	0.021	0	0	---	---	10
11	---	---	0	0.437	0	0	0.177	0.023	0	0	---	---	11
12	---	---	0	0.380	0	0	0.482	0.018	0	0	---	---	12
13	---	---	0	0.381	0	0	1.35	0.010	0	0	---	---	13
14	---	---	0	0.341	0	0	0.842	0.005	0	0	---	---	14
15	---	---	0	0.298	0	0	0.519	0.001	0	0	---	---	15
16	---	---	0	0.160	0	0	0.288	0.001	0	0	---	---	16
17	---	---	0	0.144	0	0	0.149	0.002	0	0	---	---	17
18	---	---	0	0.128	0	0	0.094	0.003	0	0	---	---	18
19	---	---	0	0.102	0.002	0	0.072	0.003	0	0	---	---	19
20	---	---	0	0.072	0.004	0	0.058	0.003	0	0	---	---	20
21	---	0B	0	0.038	0.002	0	0.056	0.003	0	0	---	---	21
22	---	0B	0	0.037	0	0	0.053	0.003	0	0	---	---	22
23	---	0B	0	0.036	0.001	0	0.052	0.002	0	0	---	---	23
24	---	0B	0	0.038	0.002	0	0.050	0.002	0	0	---	---	24
25	---	0B	0	0.036	0.001	0	0.053	0.001	0	0	---	---	25
26	---	0B	0	0.037	0	0	0.056	0.001	0	0	---	---	26
27	---	0B	0	0.036	0	0	0.072	0.001	0	0	---	---	27
28	---	0B	0	0.033	0	0	0.078	0.001	0	0	---	---	28
29	---	---	0.001A	0.031	0	0	0.081	0.001	0	0	---	---	29
30	---	---	0.011	0.028	0	0	0.787	0.003	0	0	---	---	30
31	---	---	0.159		0		0.428	0.004		0A		---	31
TOTAL	---	---	0.171	10.986	0.139	0	14.824	1.012	0.026	0	---	---	TOTAL
MEAN	---	---	0.005	0.385	0.004	0	0.489	0.033	0.001	0	---	---	MEAN
MAX	---	---	0.159	1.61	0.026	0	3.17	0.298	0.005	0	---	---	MAX
MIN	---	---	0	0.028	0	0	0	0.001	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.109
MAXIMUM DAILY, 3.17 ON JUL 3
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
4.34 AT 23:00 MST ON JUL 3

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 36 04 N
LONG 113 31 18 W
DRAINAGE AREA, 223 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 350
FEB	---	AUG	87.4
MAR	14.8	SEP	2.42
APR	947	OCT	0
MAY	11.1	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 2 310 dam³

BIRCH CREEK NEAR CONKLIN - STATION NO. 07CE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0488	0.3148	0.783	0.885	0.504	0.277	0.645	---	---	1
2	---	---	0 B	0.0408	0.3618	0.758	0.838	0.455	0.330	0.724	---	---	2
3	---	---	0 B	0.0378	0.4998	0.787	1.07	0.437	0.480	0.888	---	---	3
4	---	---	0 B	0.0328	0.5738	0.748	0.886	0.415	0.884	0.880	---	---	4
5	---	---	0 B	0.0318	0.5108	0.702	0.830	0.401	0.618	0.885	---	---	5
6	---	---	0 B	0.0428	0.6458	0.648	0.674	0.376	0.488	0.838	---	---	6
7	---	---	0 B	0.0328	0.6448	0.881	0.807	0.388	0.480	0.885	---	---	7
8	---	---	0 B	0.0288	0.6838	0.943	0.737	0.353	0.510	0.578	---	---	8
9	---	---	0 B	0.0278	0.8588	0.922	0.786	0.334	0.502	0.583	---	---	9
10	---	---	0 B	0.0508	0.835	1.08	0.776	0.302	0.477	0.548	---	---	10
11	---	---	0 B	0.1008	0.862	1.28	0.883	0.323	0.486	0.827	---	---	11
12	---	---	0 B	0.1708	0.887	1.28	0.833	0.288	0.448	0.828	---	---	12
13	---	---	0 B	0.0878	0.880	1.10	0.888	0.288	0.428	0.484	---	---	13
14	---	---	0 B	0.0388	0.842	0.881	0.840	0.288	0.381	0.487	---	---	14
15	---	---	0 B	0.0188	0.824	0.807	0.498	0.288	0.374	0.488	---	---	15
16	---	---	0 B	0.0108	0.804	0.841	0.488	0.284	0.404	0.483	---	---	16
17	---	---	0 B	0.0088	0.481	1.30	0.417	0.288	0.484	0.487	---	---	17
18	---	---	0 B	0.0108	0.480	2.88	0.398	0.284	0.807	0.480	---	---	18
19	---	---	0 B	0.0188	0.888	2.84	0.400	0.277	0.888	0.484	---	---	19
20	---	---	0 B	0.0248	1.08	2.44	0.387	0.288	0.877	0.478	---	---	20
21	---	---	0 B	0.0328	1.58	2.43	0.381	0.288	0.887	0.478	---	---	21
22	---	---	0.0028	0.0408	1.88	2.31	0.368	0.287	0.838	0.482	---	---	22
23	---	---	0.0088	0.0318	1.82	1.88	0.393	0.372	0.893	0.482	---	---	23
24	---	---	0.0088	0.0248	1.42	1.58	0.401	0.372	0.702	0.413	---	---	24
25	---	---	0.0048	0.0218	1.22	1.38	0.810	0.277	0.877	0.388	---	---	25
26	---	---	0.0048	0.0308	1.08	1.21	0.576	0.272	0.884	0.400	---	---	26
27	---	---	0.0048	0.0408	1.15	1.09	0.508	0.288	0.888	0.414	---	---	27
28	---	0B	0.0048	0.0588	1.12	0.995	0.453	0.288	0.528	0.430A	---	---	28
29	---		0.0108	0.1388	0.888	0.938	0.438	0.273	0.481	0.4308	---	---	29
30	---		0.0238	0.2438	0.897	0.801	0.418	0.282	0.888	0.4138	---	---	30
31	---		0.0508		0.821		0.480	0.281		0.4008		---	31
TOTAL	---	---	0.118	1.802	25.198	38.888	18.738	9.882	15.478	18.814	---	---	TOTAL
MEAN	---	---	0.004	0.080	0.812	1.28	0.804	0.313	0.516	0.813	---	---	MEAN
MAX	---	---	0.050	0.243	1.88	2.88	1.07	0.804	0.702	0.724	---	---	MAX
MIN	---	---	0	0.008	0.314	0.702	0.381	0.258	0.277	0.388	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.511
MAXIMUM DAILY, 2.88 ON JUN 18
MINIMUM DAILY, 08 ON MAR 1
MAXIMUM INSTANTANEOUS,
2.72 AT 09:30 MST ON JUN 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 37 07 N
LONG 111 05 08 W
DRAINAGE AREA, 232 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 620
FEB	---	AUG	837
MAR	10.0	SEP	1 340
APR	130	OCT	1 370
MAY	2 170	NOV	---
JUN	3 330	DEC	---

TOTAL DISCHARGE, 10 800 dam³

BIRCH RIVER BELOW ALICE CREEK - STATION NO. 07KE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.188	2.888	294	233	84.8	16.4	16.8	28.0	---	---	1
2	---	---	1.188	2.288	238	222	80.7	14.1	13.8	23.8	---	---	2
3	---	---	1.188	2.188	258	210	88.1	14.8	13.2	23.4	---	---	3
4	---	---	1.188	2.188	271	198	87.3	17.7	12.3	21.1	---	---	4
5	---	---	1.188	2.318	272	187	82.8	21.8	11.4	20.2	---	---	5
6	---	---	1.188	2.448	282	177	84.5	24.2	10.7	19.8	---	---	6
7	---	---	1.188	3.088	282	166	83.8	26.6	10.0	17.8	---	---	7
8	---	---	1.188	1.888	287	158	82.8	25.7	9.44	18.8	---	---	8
9	---	---	1.188	1.888	303	150	88.8	24.8	9.15	18.1	---	---	9
10	---	---	1.188	2.088	305	141	85.4	23.1	8.81	18.8	---	---	10
11	---	---	1.188	2.128	306	130	81.0	21.3	8.68	18.7	---	---	11
12	---	---	1.128	2.188	306	118	66.4	19.8	8.43	18.2	---	---	12
13	---	---	1.108	2.648	305	108	42.2	17.8	8.30	18.1	---	---	13
14	---	---	1.068	3.528	305	93.8	38.3	16.2	8.24	18.8	---	---	14
15	---	---	1.068	3.268	302	82.8	34.8	14.8	8.30	18.4	---	---	15
16	---	---	1.068	2.888	287	72.8	31.2	14.0	8.33	18.8	---	---	16
17	---	---	1.068	2.638	280	68.8	28.0	13.2	8.07	18.8	---	---	17
18	---	---	1.068	3.308	281	61.7	26.1	12.8	15.8	18.5	---	---	18
19	---	---	1.188	4.008	287	59.0	22.7	11.8	15.8	18.4	---	---	19
20	---	---	1.208	8.108	282	57.3	20.8	10.8	15.5	18.4	---	---	20
21	---	---	1.308	8.708	241	55.8	18.8	9.88	21.4	18.5	---	---	21
22	---	---	1.588	8.208	238	52.8	18.8	8.72	24.8	18.7	---	---	22
23	---	---	1.808	10.0 B	240	53.1	18.0	10.2	27.1	18.8	---	---	23
24	---	---	1.808	13.8 B	248	55.8	17.4	10.2	28.5	19.0	---	---	24
25	---	---	1.408	17.1 B	263	74.0	17.2	10.1	28.8	18.4	---	---	25
26	---	---	1.388	22.8 B	284	78.8	17.8	10.3	28.8	18.1A	---	---	26
27	---	---	1.458	32.8 B	282	76.8	16.0	12.0	28.7	18.88	---	---	27
28	---	---	1.408	52.0 B	260	76.8	17.4	13.8	28.2	18.88	---	---	28
29	---		2.068	80.7 B	246	73.8	18.8	14.7	28.4	18.08	---	---	29
30	---		2.208	130	242	70.0	18.1	15.0	27.8	14.88	---	---	30
31	---		2.508		238		18.2	15.0		14.88		---	31
TOTAL	---	---	41.88	428.01	8 336	3 396.0	1 142.8	487.71	502.88	535.8	---	---	TOTAL
MEAN	---	---	1.35	14.3	288	113	36.8	15.7	16.8	17.8	---	---	MEAN
MAX	---	---	2.50	130	305	232	84.8	25.7	28.8	28.0	---	---	MAX
MIN	---	---	1.08	1.08	204	57.3	18.2	8.72	8.24	14.8	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 80.7
MAXIMUM DAILY, 305 ON MAY 11
MINIMUM DAILY, 1.068 ON MAR 15
MAXIMUM INSTANTANEOUS,
305 AT 18:88 MST ON MAY 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 18 20 N
LONG 113 04 08 W
DRAINAGE AREA, 9 880 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	88 700
FEB	---	AUG	42 100
MAR	3 520	SEP	43 400
APR	37 000	OCT	45 400
MAY	720 000	NOV	---
JUN	383 000	DEC	---

TOTAL DISCHARGE, 1 280 000 dam³

BLACKMUD CREEK NEAR ELLERSLIE - STATION NO. 05DF003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0845 B	0.486	0.384	0.141	0.086	0.072	0.017	---	---	1
2	---	---	0 B	1.20 B	0.388	0.374	0.124	0.084	0.066	0.083	---	---	2
3	---	---	0 B	1.80 B	0.269	0.308	0.113	0.082	0.076	0.083	---	---	3
4	---	---	0 B	2.08 B	0.188	0.280	0.114	0.074	0.081	0.038	---	---	4
5	---	---	0 B	2.81 B	0.189	0.170	0.148	0.070	0.118	0.032	---	---	5
6	---	---	0 B	3.38 B	0.103	0.111	0.144	0.087	0.132	0.018	---	---	6
7	---	---	0 B	2.26 B	0.087	0.083	0.122	0.083	0.121	0.014	---	---	7
8	---	---	0 B	2.62 B	0.110	0.078	2.18	0.082	0.077	0.013	---	---	8
9	---	---	0 B	2.85 B	0.106	0.073	3.83	0.084	0.118	0.011	---	---	9
10	---	---	0 B	2.45 B	0.098	0.119	2.36	0.088	0.088	0.012	---	---	10
11	---	---	0 B	3.50 B	0.148	0.144	3.16	0.043	0.086	0.011	---	---	11
12	---	---	0 B	3.51 B	0.184	0.108	1.70	0.038	0.118	0.008	---	---	12
13	---	---	0 B	2.97 B	0.080	0.074	0.884	0.033	0.107	0.008	---	---	13
14	---	---	0 B	2.81 B	0.048	0.078	0.328	0.033	0.083	0.008	---	---	14
15	---	---	0 B	2.36 B	0.038	0.068	0.191	0.107	0.088	0.008	---	---	15
16	---	---	0 B	2.22 B	0.028	0.044	0.174	0.118	0.088	0.008	---	---	16
17	---	---	0 B	2.03 B	0.028	0.041	0.158	0.184	0.060	0.008	---	---	17
18	---	---	0 B	1.88 B	0.068	0.038	0.167	0.268	0.048	0.008	---	---	18
19	---	---	0 B	1.88	0.413	0.036	0.126	0.422	0.044	0.035	---	---	19
20	---	---	0 B	1.44	3.23	0.036	0.106	0.341	0.048	0.021	---	---	20
21	---	---	0 B	1.25	2.61	0.033	0.103	0.201	0.048	0.018	---	---	21
22	---	---	0 B	1.09	1.58	0.028	0.088	0.138	0.043	0.018	---	---	22
23	---	---	0 B	1.11	1.89	0.028	0.112	0.101	0.083	0.018	---	---	23
24	---	---	0 B	1.17	1.83	0.024	0.148	0.071	0.087	0.018	---	---	24
25	---	---	0 B	0.977	1.57	0.023	0.133	0.080	0.048	0.028	---	---	25
26	---	---	0 B	0.889	1.23	0.033	0.089	0.082	0.042	0.084	---	---	26
27	---	0B	0 B	0.896	0.954	0.068	0.101	0.046	0.033	0.081	---	---	27
28	---	0B	0 B	0.488	0.817	0.341	0.124	0.036	0.026	0.048	---	---	28
29	---		0 B	0.471	0.882	0.323	0.112	0.038	0.022	0.145	---	---	29
30	---		0 B	0.488	0.821	0.194	0.103	0.056	0.020	0.072	---	---	30
31	---		0.040B		0.431		0.116	0.088		0.030A	---	---	31
TOTAL	---	---	0.040	82.761	18.771	3.705	17.295	3.186	2.127	0.818	---	---	TOTAL
MEAN	---	---	0.001	1.76	0.636	0.124	0.558	0.103	0.071	0.030	---	---	MEAN
MAX	---	---	0.040	3.51	3.23	0.374	3.83	0.422	0.132	0.145	---	---	MAX
MIN	---	---	0	0.084	0.028	0.023	0.086	0.033	0.020	0.008	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.407
MAXIMUM DAILY, 3.83 ON JUL 9
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
4.82 AT 01:25 MST ON JUL 9

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 34 50 N
LONG 113 30 56 W
DRAINAGE AREA, 843 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 480
FEB	---	AUG	275
MAR	3.48	SEP	184
APR	4 590	OCT	70.3
MAY	1 710	NOV	---
JUN	320	DEC	---

TOTAL DISCHARGE, 8 620 dam³

BLINDMAN RIVER NEAR BLACKFALDS - STATION NO. 05CC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.2638	0.2658	0.1228	0.8838	3.41	2.57	2.08	0.138	0.832	0.176	3.22	1.11 B	1
2	0.2618	0.2458	0.1238	0.8688	2.67	2.08	1.80	0.180	0.838	0.124	3.08	1.15 B	2
3	0.2608	0.2208	0.1248	0.8408	2.51	1.71	1.82	0.268	1.02	0.087	3.88	1.17 B	3
4	0.2788	0.2008	0.1308	0.7178	2.37	1.45	1.31	11.1	0.874	0.084	3.11	1.17 B	4
5	0.2768	0.1958	0.1378	2.48 B	2.45	1.33	1.18	25.6	0.823	0.078	3.88	1.15 B	5
6	0.2708	0.2108	0.1428	5.50 B	2.36	1.22	0.842	26.0	0.709	0.076	4.28	1.10 B	6
7	0.2688	0.2208	0.1508	8.18 B	2.62	0.858	0.811	14.2	0.688	0.108	4.04	0.8708	7
8	0.2608	0.2228	0.1578	8.25 B	2.31	0.854	0.728	8.30	0.854	0.280	3.308	0.6808	8
9	0.2558	0.2208	0.1568	7.58 B	2.23	0.898	0.847	5.88	0.477	0.378	3.21	0.7808	9
10	0.2708	0.2158	0.1508	7.82 B	2.21	0.813	0.898	4.14	0.418	0.358	2.91	0.7108	10
11	0.2808	0.2108	0.1468	11.6 B	1.88	0.398	1.81	3.23	0.308	0.702	1.808	0.7808	11
12	0.2828	0.3088	0.1428	23.1 B	1.60	1.82	11.0	2.87	0.221	0.788	1.358	0.7878	12
13	0.2828	0.2008	0.1388	47.6 B	1.36	2.75	12.3	2.16	0.193	0.728	1.338	0.7908	13
14	0.2828	0.1858	0.1308	72.7 B	1.39	2.12	7.86	1.51	0.208	2.26	1.158	0.8008	14
15	0.2808	0.1708	0.1248	74.8	1.33	1.80	5.01	1.13	0.208	1.81	1.058	0.7708	15
16	0.2808	0.1628	0.1248	75.7	1.07	1.46	3.88	0.887	0.188	1.85	1.01	0.7108	16
17	0.2808	0.1658	0.1308	68.6	0.917	1.03	2.68	1.88	0.158	1.68	1.08	0.8508	17
18	0.2808	0.1758	0.1408	28.2	0.821	0.838	2.54	5.08	0.138	1.84	1.53	0.8008	18
19	0.2808	0.1808	0.1508	18.4	0.826	0.882	2.38	8.18	0.133	1.25	1.42	0.8708	19
20	0.2808	0.1828	0.1648	13.3	1.32	0.848	1.82	5.83	0.133	0.956	1.48	0.8408	20
21	0.2788	0.1828	0.1788	10.4	34.0	0.884	1.27	4.78	0.132	1.40	1.278	0.8308	21
22	0.2778	0.1788	0.1888	8.88	34.3	0.415	1.10	5.88	0.108	1.15	1.238	0.8808	22
23	0.2778	0.1628	0.1948	8.84	20.9	0.353	1.03	4.70	0.100	1.08	1.288	0.8008	23
24	0.2788	0.1628	0.2028	8.47	15.1	0.268	0.835	3.22	0.088	1.08	1.238	0.8508	24
25	0.2768	0.1468	0.2068	8.87	11.7	0.374	0.825	2.40	0.104	1.88	1.208	0.8868	25
26	0.2648	0.1388	0.2108	8.81	8.38	0.517	0.484	1.83	0.118	23.8	1.178	0.8508	26
27	0.2508	0.1358	0.2308	6.84	7.36	0.543	0.284	1.32	0.123	18.6	1.188	0.8708	27
28	0.2488	0.1308	0.2508	6.52	6.84	0.613	0.212	1.08	0.108	10.1	1.148	0.8508	28
29	0.2648		0.2508	4.62	6.00	0.804	0.188	0.882	0.088	7.34	1.138	0.8308	29
30	0.2778		0.2308	4.10	4.03	1.12	0.201	0.880	0.213	5.47	1.128	0.8308	30
31	0.2708		0.2648		3.22		0.172	1.00		4.34		0.8308	31
TOTAL	8.812	5.265	5.880	543.838	188.783	31.705	88.883	153.817	10.488	88.408	69.11	24.113	TOTAL
MEAN	0.276	0.186	0.218	18.1	6.08	1.06	2.22	4.87	0.350	2.86	1.87	0.778	MEAN
MAX	0.290	0.288	0.884	75.7	34.3	2.75	12.3	26.0	1.02	23.8	4.28	1.17	MAX
MIN	0.260	0.130	0.122	0.540	0.821	0.268	0.172	0.138	0.088	0.078	1.01	0.530	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.26
MAXIMUM DAILY, 75.7 ON APR 15
MINIMUM DAILY, 0.078 ON OCT 5

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 21 14 N
LONG 113 47 35 W
DRAINAGE AREA, 1 780 km²

B - ICE CONDITIONS

REGULATED SINCE 1976

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	744	JUL	5 880
FEB	488	AUG	13 300
MAR	578	SEP	906
APR	47 000	OCT	7 720
MAY	16 300	NOV	5 110
JUN	3 740	DEC	2 080

TOTAL DISCHARGE, 103 000 dam³

BLINDMAN RIVER NEAR BLUFFTON - STATION NO. 05CC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0408	0.8008	1.88	0.817	0.838	0.388	0.788	0.317	2.28	---	1
2	---	---	0.0408	1.20 B	1.82	0.838	0.788	0.408	0.802	0.283	2.33	---	2
3	---	---	0.0388	1.42 B	1.88	0.881	0.723	19.4	0.813	0.246	2.48	---	3
4	---	---	0.0388	1.84 B	1.87	0.888	0.888	31.2	0.433	0.276	2.08	---	4
5	---	---	0.0388	1.70 B	1.48	0.883	0.464	23.8	0.437	0.268	1.97E	---	5
6	---	---	0.0388	1.78 B	1.28	0.381	0.478	10.8	0.482	0.268	1.68E	---	6
7	---	---	0.0378	1.83 B	1.48	0.380	0.448	6.18	0.385	0.328	1.73	---	7
8	---	---	0.0378	1.82 B	1.28	0.387	0.398	4.31	0.380	0.328	---	---	8
9	---	---	0.0388	2.30 B	1.11	0.804	1.12	3.84	0.468	0.268	---	---	9
10	---	---	0.0388	2.88 B	0.772	1.80	2.78	2.37	0.378	0.304	---	---	10
11	---	---	0.0388	7.14 B	0.842	2.18	8.88	2.08	0.282	0.834	---	---	11
12	---	---	0.0388	14.8 B	0.874	1.48	8.81	1.37	0.278	0.848	---	---	12
13	---	---	0.0348	27.8 B	0.828	1.23	3.80	1.10	0.238	0.883	---	---	13
14	---	---	0.0348	24.8	0.747	0.830	1.88	0.881	0.185	0.898	---	---	14
15	---	---	0.0348	38.8	0.747	0.874	1.32	0.881	0.181	0.788	---	---	15
16	---	---	0.0338	33.8	0.478	0.810	1.48	1.48	0.142	0.877	---	---	16
17	---	---	0.0338	8.81	0.842	0.881	1.30	4.31	0.148	0.888	---	---	17
18	---	---	0.0338	8.38	0.458	0.488	1.07	3.88	0.113	0.850	---	---	18
19	---	---	0.0338	8.81	0.738	0.448	0.821	3.80	0.131	0.788	---	---	19
20	---	---	0.0328	8.88	30.8	0.388	0.488	2.18	0.127	0.850	---	---	20
21	---	---	0.0338	8.07	18.7	0.430	0.384	1.80	0.148	0.834	---	---	21
22	---	---	0.0488	8.88	8.28	0.428	0.837	2.30	0.134	0.883	---	---	22
23	---	---	0.0608	8.82	4.88	0.372	0.418	3.08	0.148	0.853	---	---	23
24	---	---	0.0748	8.24	4.01	0.311	0.378	3.08	0.158	0.788	---	---	24
25	---	---	0.0888	4.78	4.01	0.384	0.324	3.83	0.188	32.8	---	---	25
26	---	---	0.1008	3.88	3.38	0.288	0.187	2.38	0.174	8.48	---	---	26
27	---	---	0.2008	2.80	2.87	0.314	0.217	0.881	0.232	8.22	---	---	27
28	---	---	0.3008	2.85	2.03	1.28	0.340	0.881	0.217	3.87	---	---	28
29	---	---	0.4008	1.48	1.58	1.18	0.367	0.780	0.253	2.87	---	---	29
30	---	---	0.5008	1.77	1.23	1.11	0.378	0.853	0.238	1.81	---	---	30
31	---	---	0.6008		1.08		0.388	0.780		1.87		---	31
TOTAL	---	---	3.118	223.580	102.878	31.888	38.887	131.883	8.828	88.838	---	---	TOTAL
MEAN	---	---	0.100	7.48	3.32	0.733	1.28	4.24	0.284	1.88	---	---	MEAN
MAX	---	---	0.800	38.8	30.8	2.18	8.88	23.8	0.788	32.8	---	---	MAX
MIN	---	---	0.032	0.800	0.458	0.288	0.187	0.388	0.113	0.217	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.41
MAXIMUM DAILY, 38.8 ON APR 15
MINIMUM DAILY, 0.0328 ON MAR 19

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 46 22 N
LONG 114 17 03 W
DRAINAGE AREA, 382 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 480
FEB	---	AUG	11 400
MAR	388	SEP	737
APR	19 300	OCT	8 070
MAY	8 800	NOV	---
JUN	1 900	DEC	---

TOTAL DISCHARGE, 51 000 dam³

BLOCK CREEK NEAR LEEDALE - STATION NO. 05CC010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.3408	0.181	0.078	0.071	0.017	0.008	0.031	---	---	1
2	---	---	0 B	0.4408	0.087	0.183	0.080	0.033	0.082	0.033	---	---	2
3	---	---	0.0088	0.4808	0.028	0.074	0.038	0.089	0.084	0.037	---	---	3
4	---	---	0.0188	0.5508	0.083	0.074	0.030	0.118	0.080	0.037	---	---	4
5	---	---	0.0308	0.5218	0.078	0.082	0.027	0.084	0.048	0.037	---	---	5
6	---	---	0.0288	0.4488	0.081	0.081	0.034	0.047	0.044	0.040	---	---	6
7	---	---	0.0408	0.4808	0.088	0.083	0.042	0.021	0.048	0.042	---	---	7
8	---	---	0.0358	0.4358	0.082	0.082	0.045	0.020	0.048	0.048	---	---	8
9	---	---	0.0318	0.4108	0.077	0.085	0.041	0.018	0.047	0.048	---	---	9
10	---	---	0.0288	0.8318	0.083	0.088	0.070	0.018	0.081	0.081	---	---	10
11	---	---	0.0208	1.80 B	0.183	0.082	0.118	0.018	0.052	0.057	---	---	11
12	---	---	0.0208	2.83 B	0.100	0.078	0.104	0.020	0.054	0.054	---	---	12
13	---	---	0.0188	3.58 B	0.078	0.078	0.078	0.021	0.088	0.082	---	---	13
14	---	---	0.0188	3.80 B	0.088	0.078	0.087	0.022	0.088	0.071	---	---	14
15	---	---	0.0188	1.80 B	0.043	0.083	0.052	0.023	0.088	0.074	---	---	15
16	---	---	0.0108	0.8008	0.041	0.084	0.071	0.025	0.088	0.074	---	---	16
17	---	---	0.0108	0.4308	0.080	0.118	0.108	0.028	0.080	0.084	---	---	17
18	---	---	0.0108	0.282	0.048	0.088	0.101	0.038	0.052	0.084	---	---	18
19	---	---	0.0108	0.233	0.188	0.088	0.088	0.030	0.044	0.068	---	---	19
20	---	---	0.0188	0.224	0.877	0.081	0.088	0.030	0.037	0.070	---	---	20
21	---	---	0.0308	0.222	0.347	0.027	0.088	0.037	0.032	0.088	---	---	21
22	---	---	0.0308	0.267	0.188	0.047	0.083	0.082	0.030	0.088	---	---	22
23	---	---	0.0288	0.443	0.182	0.041	0.082	0.088	0.028	0.078	---	---	23
24	---	---	0.0288	0.438	0.182	0.038	0.080	0.085	0.024	0.080	---	---	24
25	---	---	0.0308	0.308	0.174	0.038	0.088	0.081	0.023	0.181	---	---	25
26	---	---	0.0308	0.331	0.130	0.032	0.078	0.088	0.023	0.188	---	---	26
27	---	---	0.0288	0.187	0.128	0.088	0.087	0.081	0.021	0.180	---	---	27
28	---	---	0.0308	0.143	0.188	0.085	0.083	0.088	0.028	0.144	---	---	28
29	---	---	0.1208	0.127	0.123	0.048	0.072	0.080	0.033	0.141	---	---	29
30	---	---	0.1758	0.118	0.148	0.080	0.025	0.042	0.034	0.138	---	---	30
31	---	---	0.2808		0.083		0.018	0.088		0.137A		---	31
TOTAL	---	---	1.138	31.903	4.038	2.178	2.104	1.348	1.331	2.348	---	---	TOTAL
MEAN	---	---	0.038	0.730	0.130	0.073	0.088	0.043	0.044	0.077	---	---	MEAN
MAX	---	---	0.280	3.58	0.877	0.183	0.118	0.118	0.088	0.181	---	---	MAX
MIN	---	---	0	0.118	0.038	0.027	0.018	0.017	0.021	0.031	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.148
MAXIMUM DAILY, 3.588 ON APR 13
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 34 25 N
LONG 114 24 24 W
DRAINAGE AREA, 83.8 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	182
FEB	---	AUG	116
MAR	97.2	SEP	115
APR	1 880	OCT	208
MAY	348	NOV	---
JUN	188	DEC	---

TOTAL DISCHARGE, 3 140 dam³

REMARKS - STATION NAME WAS CHANGED IN 1988. RECORDS PRIOR TO 1988 WERE PUBLISHED UNDER WELCH CREEK TRIBUTARY NEAR LEEDALE

BLOOD INDIAN CREEK NEAR CABIN LAKE - STATION NO. 05CK007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR		APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	B	0.0028	0	0	0	0	0	0	---	---	1
2	---	---	0	B	0.0018	0	0	0	0	0	0	---	---	2
3	---	---	0	B	0.0018	0	0	0	0	0	0	---	---	3
4	---	---	0	B	0.0028	0	0	0	0	0	0	---	---	4
5	---	---	0	B	0.0048	0	0	0	0	0	0	---	---	5
6	---	---	0	B	0.0078	0	0	0	0	0	0	---	---	6
7	---	---	0	B	0.1008	0	0	0	0	0	0	---	---	7
8	---	---	0	B	0.0888	0	0	0	0	0	0	---	---	8
9	---	---	0	B	0.0478	0	0	0	0	0	0	---	---	9
10	---	---	0	B	0.0378	0	0	0	0	0	0	---	---	10
11	---	---	0	B	0.031	0	0	0	0	0	0	---	---	11
12	---	---	0	B	0.028	0	0	0	0	0	0	---	---	12
13	---	---	0	B	0.031	0	0	0	0	0	0	---	---	13
14	---	---	0	B	0.033	0	0	0	0	0	0	---	---	14
15	---	---	0	B	0.041	0	0	0	0	0	0	---	---	15
16	---	---	0	B	0.018	0	0	0	0	0	0	---	---	16
17	---	---	0	B	0.014	0	0	0	0	0	0	---	---	17
18	---	---	0	B	0.011	0	0	0	0	0	0	---	---	18
19	---	---	0	B	0.008	0	0	0	0	0	0	---	---	19
20	---	---	0	B	0.007	0	0	0	0	0	0	---	---	20
21	---	---	0	B	0.005	0	0	0	0	0	0	---	---	21
22	---	---	0	B	0.003	0	0	0	0	0	0	---	---	22
23	---	---	0	B	0.003	0	0	0	0	0	0	---	---	23
24	---	---	0	B	0.003	0	0	0	0	0	0	---	---	24
25	---	---	0	B	0.002	0	0	0	0	0	0	---	---	25
26	---	---	0	B	0.001	0	0	0	0	0	0	---	---	26
27	---	---	0	B	0	0	0	0	0	0	0	---	---	27
28	---	---	0	B	0	0	0	0	0	0	0	---	---	28
29	---		0.0018		0	0	0	0	0	0	0	---	---	29
30	---		0.0028		0	0	0	0	0	0	0	---	---	30
31	---		0.0068		0			0	0		0	---	---	31
TOTAL	---	---	0.009		0.510	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0		0.017	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.008		0.100	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0		0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.002
MAXIMUM DAILY, 0.1008 ON APR 7
MINIMUM DAILY, 0 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 61 05 44 N
LONG 111 14 19 W
DRAINAGE AREA, 320 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0.76	SEP	0
APR	44.1	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 44.9 dam³

BLOOD INDIAN CREEK NEAR THE MOUTH - STATION NO. 05CK001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0028	00.0878	0.003	0.001	0.003	0.003	0.002	0.002	---	---	1
2	---	---	0.0028	0.0268	0.003	0.001	0.003	0.003	0.002	0.002	---	---	2
3	---	---	0.0028	0.0098	0.003	0.002	0.003	0.003	0.002	0.002	---	---	3
4	---	---	0.0028	0.0138	0.003	0.002	0.003	0.003	0.002	0.002	---	---	4
5	---	---	0.0028	0.0148	0.003	0.002	0.003	0.003	0.002	0.002	---	---	5
6	---	---	0.0028	0.0138	0.003	0.002	0.003	0.003	0.003	0.002	---	---	6
7	---	---	0.0028	0.0138	0.003	0.002	0.003	0.003	0.002	0.002	---	---	7
8	---	---	0.0028	0.0118	0.003	0.002	0.003	0.002	0.002	0.002	---	---	8
9	---	---	0.0028	0.0108	0.002	0.003	0.003	0.002	0.002	0.002	---	---	9
10	---	---	0.0028	0.0108	0.002	0.002	0.004	0.002	0.002	0.002	---	---	10
11	---	---	0.0028	0.0088	0.002	0.002	0.004	0.002	0.002	0.002	---	---	11
12	---	---	0.0028	0.0028	0.002	0.002	0.003	0.002	0.002	0.002	---	---	12
13	---	---	0.0028	0.003	0.003	0.002	0.003	0.002	0.002	0.002	---	---	13
14	---	---	0.0028	0.003	0.003	0.002	0.003	0.002	0.002	0.002	---	---	14
15	---	---	0.0028	0.002	0.003	0.003	0.003	0.002	0.002	0.002	---	---	15
16	---	---	0.0028	0.002	0.003	0.002	0.003	0.002	0.002	0.003	---	---	16
17	---	---	0.0028	0.002	0.002	0.002	0.004	0.002	0.002	0.003	---	---	17
18	---	---	0.0028	0.002	0.003	0.002	0.003	0.002	0.002	0.003	---	---	18
19	---	---	0.0028	0.002	0.004	0.002	0.003	0.002	0.002	0.003	---	---	19
20	---	---	0.0028	0.002	0.003	0.002	0.004	0.002	0.002	0.003	---	---	20
21	---	---	0.0028	0.002	0.002	0.003	0.005	0.002	0.002	0.003	---	---	21
22	---	---	0.0068	0.002	0.002	0.003	0.004	0.002	0.002	0.003	---	---	22
23	---	---	0.0068	0.002	0.002	0.003	0.004	0.002	0.002	0.003	---	---	23
24	---	---	0.0068	0.002	0.003	0.003	0.004	0.002	0.002	0.003	---	---	24
25	---	---	0.0068	0.002	0.003	0.003	0.004	0.002	0.002	0.003	---	---	25
26	---	---	0.0068	0.003	0.002	0.003	0.004	0.002	0.002	0.002	---	---	26
27	---	---	0.0108	0.003	0.002	0.004	0.003	0.003	0.002	0.002	---	---	27
28	---	0.0028	0.0208	0.003	0.001	0.003	0.003	0.003	0.002	0.002	---	---	28
29	---		0.1448	0.003	0.001	0.003	0.003	0.002	0.002	0.002	---	---	29
30	---		0.1008	0.003	0.0012	0.003	0.003	0.003	0.002	0.002	---	---	30
31	---		0.3148		0.001		0.003	0.003		0.002A		---	31
TOTAL	---	---	0.880	0.267	0.074	0.068	0.104	0.071	0.062	0.070	---	---	TOTAL
MEAN	---	---	0.021	0.009	0.002	0.002	0.003	0.002	0.002	0.002	---	---	MEAN
MAX	---	---	0.314	0.087	0.004	0.004	0.005	0.003	0.002	0.003	---	---	MAX
MIN	---	---	0.002	0.002	0.001	0.001	0.003	0.002	0.002	0.002	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.008
MAXIMUM DAILY, 0.3148 ON MAR 31
MINIMUM DAILY, 0.001 ON MAY 28

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 60 57 26 N
LONG 111 03 30 W
DRAINAGE AREA, 885 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	6.99
FEB	---	AUG	6.13
MAR	57.0	SEP	5.36
APR	22.2	OCT	6.05
MAY	5.29	NOV	---
JUN	5.86	DEC	---

TOTAL DISCHARGE, 118 dam³

BOUNTIFUL COULEE INFLOW NEAR CRANFORD - STATION NO. 05AG025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0	0.174	0.228	0.266	0.026	0.127	---	---	1
2	---	---	---	---	0	0.231	0.274	0.276	0.011	0.087	---	---	2
3	---	---	---	---	0	0.207	0.244	0.324	0.008	0.052	---	---	3
4	---	---	---	---	0	0.184	0.260	0.213	0.010	0.118	---	---	4
5	---	---	---	---	0	0.223	0.267	0.265	0.018	0.058	---	---	5
6	---	---	---	---	0	0.186	0.286	0.276	0.018	0.108	---	---	6
7	---	---	---	---	0	0.142	0.417	0.316	0.002	0.088	---	---	7
8	---	---	---	---	0	0.186	0.446	0.240	0.001	0.094	---	---	8
9	---	---	---	---	0	0.142	0.303	0.288	0.001	0.172	---	---	9
10	---	---	---	---	0	0.137	0.306	0.302	0.001	0.102	---	---	10
11	---	---	---	---	0	0.286	0.270	0.262	0.001	0.008	---	---	11
12	---	---	---	---	0	0.186	0.248	0.168	0.001	0.006	---	---	12
13	---	---	---	---	0.103	0.020	0.268	0.178	0.001	0.001	---	---	13
14	---	---	---	---	0.216	0.007	0.317	0.288	0.067	0.001	---	---	14
15	---	---	---	---	0.126	0.007	0.286	0.263	0.066	0.001	---	---	15
16	---	---	---	---	0.134	0.030	0.256	0.210	0.008	0.001	---	---	16
17	---	---	---	---	0.108	0.040	0.286	0.143	0.107	0.001	---	---	17
18	---	---	---	---	0.124	0.037	0.285	0.188	0.082	0.001	---	---	18
19	---	---	---	---	0.286	0.068	0.213	0.303	0.117	0.001	---	---	19
20	---	---	---	---	0.142	0.095	0.270	0.306	0.139	0.001	---	---	20
21	---	---	---	---	0.148	0.187	0.277	0.231	0.121	0.001	---	---	21
22	---	---	---	---	0.286	0.190	0.271	0.080	0.137	0.001	---	---	22
23	---	---	---	---	0.480	0.172	0.236	0.087	0.150	0.001	---	---	23
24	---	---	---	---	0.416	0.228	0.246	0.083	0.149	0.001	---	---	24
25	---	---	---	---	0.351	0.252	0.280	0.087	0.159	0.001	---	---	25
26	---	---	---	---	---	0.280	0.293	0.320	0.033	0.153	0.001	---	26
27	---	---	---	0.002A	0.260	0.189	0.269	0.008	0.108	0.001	---	---	27
28	---	---	---	0.001	0.280	0.282	0.328	0.013	0.060	0.001	---	---	28
29	---		---	0	0.264	0.264	0.264	0.043	0.104	0.001	---	---	29
30	---		---	0	0.213	0.235	0.308	0.047	0.081	0.001B	---	---	30
31	---		---		0.186		0.140	0.046		0.001B		---	31
TOTAL	---	---	---	---	4.352	4.876	8.712	8.767	2.004	1.079	---	---	TOTAL
MEAN	---	---	---	---	0.140	0.163	0.281	0.188	0.067	0.035	---	---	MEAN
MAX	---	---	---	---	0.480	0.384	0.446	0.334	0.159	0.102	---	---	MAX
MIN	---	---	---	---	0	0.007	0.140	0.008	0.001	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.148
MAXIMUM DAILY, 0.480 ON MAY 23
MINIMUM DAILY, 0 ON MAY 1

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 47 08 N
LONG 112 18 55 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	783
FEB	---	AUG	687
MAR	---	SEP	173
APR	---	OCT	93.2
MAY	376	NOV	---
JUN	431	DEC	---

TOTAL DISCHARGE, 2 310 dam³

BOW RIVER AT BANFF - STATION NO. 05BB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.288	8.058	7.908	7.838	15.4	44.0	103	71.0	85.5	26.7	15.7	13.3	1
2	8.408	7.808	7.708	7.478	16.0	53.3	95.0	80.2	82.2	25.8	15.8	14.0	2
3	8.538	7.488	7.428	7.308	16.4	70.7	87.7	84.1	85.4	24.8	17.0	14.7	3
4	8.688	7.808	7.188	7.228	16.8	85.4	84.0	77.1	81.3	23.8	17.2	15.9	4
5	8.708	8.158	7.008	7.318	21.7	109	83.8	71.8	81.0	23.3	17.2	16.5	5
6	8.688	8.508	7.208	7.498	28.2	140	81.3	87.2	88.0	23.3	16.7	14.7	6
7	8.188	8.878	7.828	7.848	37.8	157	80.1	86.8	86.8	22.5	16.8	12.8	7
8	8.288	8.878	7.618	7.808	45.2	150	83.8	73.1	83.0	22.0	16.7	13.3	8
9	8.528	8.408	7.868	7.948	54.0	152	83.3	73.6	68.7	21.6	16.6	13.6	9
10	8.778	8.518	8.158	8.068	61.7	185	80.2	85.3	46.0	21.8	22.0	12.0	10
11	8.808	8.888	8.128	8.268	66.3	185	86.1	77.7	63.6	23.8	27.0	10.2	11
12	10.0 B	8.768	7.708	8.658	50.4	186	86.8	70.8	41.6	23.3	24.5	10.5	12
13	10.2 B	8.708	7.888	8.858	45.4	173	86.8	87.6	40.6	23.3	20.2	10.8	13
14	10.0 B	8.648	8.048	8.808	41.7	186	82.8	86.5	38.8	22.6	21.0	11.78	14
15	9.798	8.568	7.928	8.868	38.8	208	87.8	84.3	38.8	21.8	17.8	12.18	15
16	9.798	8.488	7.728	8.188	40.2	208	108	88.3	38.2	20.3	17.0	11.78	16
17	10.2 B	8.368	7.688	8.388	41.3	178	104	78.0	37.6	18.2	17.3	11.68	17
18	10.5 B	8.208	7.428	8.618	40.7	144	96.6	78.8	37.6	18.7	17.8	11.58	18
19	10.0 B	8.048	7.308	10.0 B	39.3	127	89.9	80.2	36.7	19.4	18.6	10.98	19
20	9.809	7.898	7.188	10.6 B	36.2	116	86.1	101	34.0	19.3	19.4	10.88	20
21	9.718	7.968	7.268	10.8	34.4	98.7	104	84.8	32.1	19.1	18.3	10.88	21
22	9.368	8.218	7.288	12.5	32.8	88.4	103	86.3	29.8	20.1	15.4	11.08	22
23	8.688	8.458	7.188	12.4	32.8	86.8	88.6	88.3	29.3	20.2	12.8	12.18	23
24	8.288	8.618	7.038	12.1	33.7	89.7	80.7	85.2	28.0	20.3	15.5	12.98	24
25	7.868	8.488	6.838	11.7	32.8	90.2	75.2	76.3	26.7	20.6	17.6	13.18	25
26	8.018	8.318	6.708	11.4	32.2	90.8	71.0	69.8	26.4	18.2	18.2	13.38	26
27	8.268	8.198	6.688	11.2	31.6	102	70.6	67.3	26.0	16.8	13.8	13.88	27
28	8.588	8.288	6.488	10.8	30.7	94.7	74.8	73.0	27.8	16.6	13.8	12.88	28
29	8.688		6.418	11.2	28.8	87.2	76.8	73.3	27.4	17.2	16.1	12.68	29
30	8.108		6.408	12.6	30.4	81.8	73.8	71.2	27.2	17.4	14.2	11.88	30
31	8.318		6.488		33.4		71.4	68.1		17.3		11.68	31
TOTAL	281.28	233.24	226.88	284.30	1 107.7	3 738.9	2 693.4	2 388.9	1 282.6	655.3	536.3	387.9	TOTAL
MEAN	9.40	8.33	7.32	9.48	35.7	125	86.8	77.0	41.8	21.1	17.8	12.5	MEAN
MAX	10.5	8.88	8.15	12.6	61.7	208	108	101	85.5	26.7	27.0	15.8	MAX
MIN	7.88	7.48	6.40	7.22	15.4	44.0	70.6	84.3	27.2	17.2	12.6	10.2	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 37.8
MAXIMUM DAILY, 208 ON JUN 16
MINIMUM DAILY, 6.408 ON MAR 30
MAXIMUM INSTANTANEOUS,
217 AT 23:04 MST ON JUN 15

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 10 30 N
LONG 115 34 10 W
DRAINAGE AREA, 2 210 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	25 200	JUL	233 000
FEB	20 200	AUG	206 000
MAR	19 500	SEP	108 000
APR	24 600	OCT	56 500
MAY	95 700	NOV	45 500
JUN	323 000	DEC	33 500

TOTAL DISCHARGE, 1 180 000 dam³

BOW RIVER AT CALGARY - STATION NO. 05BH004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	38.00	54.00	54.00	50.00	47.2	88.4	133	115	125	89.5	81.7	54.00	1
2	38.00	54.00	55.00	49.00	48.8	89.5	133	112	121	88.4	84.0	52.00	2
3	40.00	54.00	55.00	48.00	48.8	73.3	127	114	118	86.7	81.7	52.00	3
4	41.00	54.00	55.00	49.00	66.1	76.1	124	120	117	71.4	85.00	51.00	4
5	42.00	53.00	53.00	47.00	86.6	79.5	125	113	109	74.4	91.00	51.00	5
6	48.00	54.00	52.00	45.00	85.3	80.7	116	112	111	76.7	91.00	51.00	6
7	50.00	54.00	54.00	43.00	85.3	122	114	112	122	70.0	91.00	54.00	7
8	50.00	53.00	55.00	43.00	85.5	138	108	111	125	83.6	83.3	58.5	8
9	50.00	52.00	54.00	44.00	86.4	183	108	111	122	89.3	58.00	61.0	9
10	50.00	53.00	54.00	44.2	85.5	168	115	108	130	89.7	83.00	65.00	10
11	49.00	52.00	53.00	44.3	113	188	115	110	117	85.7	91.00	57.00	11
12	49.00	53.00	53.00	47.6	120	168	115	118	112	89.6	91.00	54.00	12
13	49.00	54.00	54.00	55.4	111	200	112	112	106	88.6	91.00	54.00	13
14	50.00	53.00	55.00	53.9	81.8	188	113	110	87.0	88.6	91.00	54.00	14
15	48.00	53.00	54.00	55.1	72.5	203	113	110	89.2	88.9	84.2	51.00	15
16	48.00	55.00	55.00	51.1	70.1	218	114	108	83.7	83.2	58.3	51.00	16
17	51.00	57.00	53.00	50.2	70.1	238	123	111	80.6	85.4	59.3	54.00	17
18	51.00	58.00	49.00	50.0	86.6	237	136	131	87.7	87.5	60.6	57.00	18
19	50.00	57.00	49.00	53.0	86.7	216	140	136	87.6	88.1	59.5	57.00	19
20	51.00	56.00	48.00	51.9	85.6	172	121	143	86.0	86.4	60.3	51.00	20
21	51.00	55.00	48.00	50.2	85.6	162	114	142	86.3	81.6	60.0	48.00	21
22	50.00	54.00	50.00	48.9	86.1	164	117	137	88.1	82.6	60.2	45.00	22
23	52.00	54.00	52.00	44.9	87.3	132	120	138	78.1	87.6	60.6	43.00	23
24	53.00	54.00	52.00	44.5	88.0	128	117	137	72.5	80.4	58.0	46.00	24
25	51.00	54.00	52.00	48.6	87.8	124	118	131	71.0	85.1	58.00	42.00	25
26	52.00	53.00	50.00	55.0	84.8	128	112	121	88.3	89.0	58.00	47.00	26
27	53.00	53.00	50.00	53.9	82.0	114	111	112	71.0	83.4	58.00	53.00	27
28	53.00	54.00	50.00	51.5	82.2	125	114	114	73.1	80.6	61.00	60.00	28
29	52.00		50.00	48.0	82.6	125	117	119	74.1	46.00	55.5	62.00	29
30	51.00		50.00	44.2	86.5	130	118	124	74.7	48.00	58.00	65.00	30
31	53.00		50.00		85.3		118	128		51.9		64.00	31
TOTAL	1 518.0	1 518.0	1 620.6	1 468.6	2 183.7	4 446.6	3 884	3 717	2 885.4	1 913.7	1 728.1	1 886.5	TOTAL
MEAN	48.9	54.1	52.3	48.0	70.4	148	118	120	96.8	81.7	57.6	53.4	MEAN
MAX	53.0	58.0	55.8	53.9	120	238	140	143	125	76.7	91.0	65.0	MAX
MIN	38.0	53.0	48.0	43.0	48.9	86.4	108	108	88.3	46.0	51.0	42.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 77.7
MAXIMUM DAILY, 238 ON JUN 17
MINIMUM DAILY, 38.00 ON JAN 1
MAXIMUM INSTANTANEOUS,
244 AT 15:44 MST ON JUN 17

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 03 00 N
LONG 114 03 00 W
DRAINAGE AREA, 7 850 km²

B - ICE CONDITIONS

REGULATED SINCE 1913

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	131 000	JUL	318 000
FEB	131 000	AUG	321 000
MAR	140 000	SEP	250 000
APR	127 000	OCT	165 000
MAY	188 000	NOV	148 000
JUN	384 000	DEC	163 000

TOTAL DISCHARGE, 2 450 000 dam³

BOW RIVER AT LAKE LOUISE - STATION NO. 05BA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	6.81	11.7	22.0	27.7	14.7	7.82	2.868	---	1
2	---	---	---	---	6.38	15.6	20.7	30.6	14.0	7.32	---	---	2
3	---	---	---	---	6.73	19.1	19.4	27.3	13.3	6.78	---	---	3
4	---	---	---	---	6.36	21.5	19.2	24.8	12.5	6.88	---	---	4
5	---	---	---	---	7.61	24.9	20.0	23.4	12.4	6.47	---	---	5
6	---	---	---	---	8.73	30.7	19.8	23.8	11.5	6.24	---	---	6
7	---	---	---	---	10.6	33.8	19.8	24.6	11.1	6.03	---	---	7
8	---	---	---	---	12.6	32.8	21.8	26.7	10.8	5.83	---	---	8
9	---	---	---	---	14.0	32.1	21.6	27.3	9.87	5.65	---	---	9
10	---	---	---	---	15.0	33.7	21.6	26.5	9.35	5.33	---	---	10
11	---	---	---	---	14.8	34.8	24.4	26.7	8.98	5.48	---	---	11
12	---	---	---	---	13.7	37.0	25.0	25.3	8.64	6.62	---	---	12
13	---	---	---	---	12.7	36.7	26.6	25.2	9.07	6.46	---	---	13
14	---	---	---	---	12.0	42.7	26.5	25.5	9.49	6.24	---	---	14
15	---	---	---	---	11.5	48.8	31.2	23.5	9.61	5.83	---	---	15
16	---	---	---	---	11.8	48.8	34.5	22.5	9.04	5.52	---	---	16
17	---	---	---	---	11.0	41.5	32.2	21.9	8.73	5.33	---	---	17
18	---	---	---	---	12.3	33.6	30.7	19.5	8.41	5.22	---	---	18
19	---	---	---	---	11.7	28.5	28.1	19.6	7.84	5.15	---	---	19
20	---	---	---	---	10.7	25.9	30.6	19.9	7.53	5.06	---	---	20
21	---	---	---	---	10.0	22.1	35.2	22.4	7.22	5.13	---	---	21
22	---	---	---	---	9.46	18.9	33.2	24.4	7.12	5.18	---	---	22
23	---	---	---	---	8.35	19.3	28.1	23.7	7.36	5.14	---	---	23
24	---	---	---	1.988	8.87	20.3	26.4	21.5	7.70	5.38	---	---	24
25	---	---	---	3.008	9.56	20.6	28.2	20.0	7.95	5.39	---	---	25
26	---	---	---	2.068	9.28	21.2	24.3	18.8	8.18	5.21	---	---	26
27	---	---	---	2.208	8.89	23.6	25.1	18.3	8.40	5.04	---	---	27
28	---	---	---	2.708	8.83	21.0	26.8	18.0	8.52	4.85	---	---	28
29	---	---	---	3.408	8.49	19.3	27.2	18.9	8.67	4.208	---	---	29
30	---	---	---	3.888	8.81	20.4	28.9	18.2	8.48	3.378	---	---	30
31	---	---	---		8.53		27.1	18.6		2.888		---	31
TOTAL	---	---	---	---	315.48	845.0	807.0	711.2	288.88	174.83	---	---	TOTAL
MEAN	---	---	---	---	10.2	28.2	26.0	22.9	9.55	5.64	---	---	MEAN
MAX	---	---	---	---	15.0	48.8	35.2	30.6	14.7	7.82	---	---	MAX
MIN	---	---	---	---	6.81	11.7	19.2	18.5	7.13	2.88	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 17.1
MAXIMUM DAILY, 48.8 ON JUN 15
MINIMUM DAILY, 1.988 ON OCT 31
MAXIMUM INSTANTANEOUS,
51.4 AT 05:56 MST ON JUN 16

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 25 43 N
LONG 116 11 15 W
DRAINAGE AREA, 421 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	99 700
FEB	---	AUG	81 400
MAR	---	SEP	24 800
APR	---	OCT	18 100
MAY	27 300	NOV	---
JUN	73 000	DEC	---

TOTAL DISCHARGE, 271 000 dam³

BOW RIVER BELOW BASSANO DAM - STATION NO. 05BM004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	74.0B	27.0 E	6.01	48.5	22.8	87.8	32.8	---	---	1
2	---	---	---	74.0B	26.0 E	6.13	61.6	17.5	77.0	51.4	---	---	2
3	---	---	---	76.0B	43.6 A	26.4	58.3	16.7	81.2	60.7	---	---	3
4	---	---	---	76.0B	10.6	37.3	42.2	16.2	84.7	52.0	---	---	4
5	---	---	---	83.0B	27.8	32.7	28.6	20.6	71.0	48.5	---	---	5
6	---	---	---	84.0B	24.4	30.9	26.5	21.8	68.8	68.2	---	---	6
7	---	---	---	92.0B	33.6	43.0	21.4	13.8	70.0	100	---	---	7
8	---	---	---	67.0B	34.0	78.7	17.8	14.8	83.1	68.7	---	---	8
9	---	---	---	79.0B	88.4	102	14.8	16.1	84.0	68.8	---	---	9
10	---	---	---	72.0B	104	113	14.8	18.8	88.1	68.8	---	---	10
11	---	---	---	70.0B	87.1	136	48.2	17.8	81.8	87.2	---	---	11
12	---	---	---	76.0B	138	141	36.4	14.0	83.8	68.8	---	---	12
13	---	---	---	83.0B	128	131	28.7	16.0	82.8	103	---	---	13
14	---	---	---	108	116	139	28.2	18.4	77.8	80.8	---	---	14
15	---	---	---	118	92.3	143	33.1	14.3	70.4	77.8	---	---	15
16	---	---	---	128	43.8	148	23.4	18.8	88.8	80.2	---	---	16
17	---	---	---	124	27.7	188	25.7	18.7	81.7	78.3	---	---	17
18	---	---	---	108	22.1	191	23.7	23.0	88.7	88.3	---	---	18
19	---	---	---	77.3	38.2	178	44.3	34.8	88.1	84.6	---	---	19
20	---	---	---	88.8	8.18	163	38.3	82.0	84.3	88.8	---	---	20
21	---	---	---	48.4	5.81	108	32.1	82.8	83.8	86.8	---	---	21
22	---	---	---	40.0E	5.22	88.0	22.8	82.0	83.7	84.0	---	---	22
23	---	---	---	82.0E	5.31	80.8	10.8	81.2	88.8	77.0	---	---	23
24	---	---	---	81.0E	13.7	83.2	18.2	83.1	47.8	73.7	---	---	24
25	---	---	---	48.0E	21.4	48.7	17.8	80.0	41.4	78.4	---	---	25
26	---	---	---	33.0A	25.8	82.8	18.0	88.7	85.8	77.8	---	---	26
27	---	---	---	33.2	18.1	80.8	14.3	82.0	21.8	81.1	---	---	27
28	---	---	---	41.1	8.88	43.0	8.88	47.1	27.3	70.8	---	---	28
29	---	---	---	38.0	11.4	47.8	8.88	84.8	41.8	88.4	---	---	29
30	---	---	---	33.0	13.0	48.7	21.0	83.8	28.0	88.1A	---	---	30
31	---	---	---		8.87		21.8	83.8		88.0E	---	---	31
TOTAL	---	---	---	2 177.2	1 214.18	2 888.84	821.14	1 084.8	1 818.8	2 371.7	---	---	TOTAL
MEAN	---	---	---	72.8	39.2	86.7	28.8	34.4	84.8	78.8	---	---	MEAN
MAX	---	---	---	128	138	181	88.3	83.8	81.8	103	---	---	MAX
MIN	---	---	---	33.8	8.21	8.81	8.88	13.8	21.8	32.8	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 88.8
MAXIMUM DAILY, 181 ON JUN 18
MINIMUM DAILY, 8.21 ON MAY 23
MAXIMUM INSTANTANEOUS,
188 AT 18:24 MST ON JUN 20

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 88 48 88 N
LONG 112 32 28 W
DRAINAGE AREA, 28 388 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	78 888
FEB	---	AUG	82 888
MAR	---	SEP	188 888
APR	188 888	OCT	288 888
MAY	188 888	NOV	---
JUN	238 888	DEC	---

TOTAL DISCHARGE, 1 888 888 dam³

BOW RIVER BELOW SEARSPAW DAM - STATION NO. 05BH008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	38.7	83.8	83.2	88.8	46.7	88.8	148	128	133	78.8	83.7	83.8	1
2	38.8	83.8	82.8	48.2	88.8	71.1	144	122	127	88.8	88.8	82.4	2
3	38.8	88.8	88.2	48.5	82.8	78.4	138	128	124	88.3	88.8	82.4	3
4	41.2	84.4	82.8	48.8	88.3	83.1	138	32	124	73.7	88.8	88.8	4
5	42.2	83.2	83.8	47.2	88.8	82.1	138	.22	112	78.4	81.1	81.8	5
6	48.7	84.3	83.2	44.8	88.8	85.8	128	122	118	78.4	88.8	81.8	6
7	88.8	83.8	83.8	43.4	88.8	133	128	121	133	78.8	88.8	82.7	7
8	88.8	83.2	88.8	43.2	74.1	148	118	122	134	82.2	83.2	88.4	8
9	48.8	81.8	83.8	43.8	88.8	178	118	128	138	88.2	88.2	88.7	9
10	88.4	83.2	83.8	44.2	188	188	128	118	128	88.2	82.8	88.2	10
11	48.2	82.8	83.8	48.8	124	283	128	128	124	83.7	81.8	88.8	11
12	48.8	83.1	82.7	81.8	132	283	128	128	128	88.7	81.8	83.7	12
13	48.2	83.4	83.8	88.4	128	212	122	128	112	88.8	81.8	83.7	13
14	88.8	82.8	88.1	82.7	84.8	214	123	118	183	88.8	81.2	83.7	14
15	48.8	82.8	84.1	88.3	78.4	218	123	118	84.8	88.8	83.8	81.8	15
16	48.8	88.4	88.2	88.8	73.7	238	123	114	87.7	88.1	88.1	81.8	16
17	88.8	88.4	82.8	81.2	73.8	282	138	122	84.8	88.8	88.4	83.4	17
18	88.8	87.4	48.1	88.8	87.8	288	188	144	84.2	87.8	88.8	82.8	18
19	88.8	88.8	48.7	83.8	88.8	228	184	144	83.8	88.8	88.8	88.7	19
20	88.8	88.8	48.2	83.8	87.8	188	138	188	83.2	88.8	88.7	81.8	28
21	88.8	84.7	48.8	88.8	88.2	177	128	188	88.8	88.8	88.8	48.2	21
22	88.2	83.8	48.4	48.8	87.8	188	128	188	87.8	82.2	88.8	43.7	22
23	81.7	83.8	81.8	48.2	88.1	141	132	188	88.8	88.2	88.8	42.4	23
24	82.7	83.8	82.8	48.4	88.8	133	127	188	88.8	88.2	87.8	48.1	24
25	82.8	83.4	81.4	82.2	88.1	133	127	142	73.7	84.2	88.8	42.2	25
26	81.8	83.1	88.8	88.8	85.8	138	122	138	71.8	88.4	87.8	48.7	28
27	82.8	82.8	88.8	88.8	83.8	121	128	128	72.7	83.7	88.8	82.8	27
28	83.8	83.8	88.8	83.1	83.8	138	128	122	78.2	48.4	88.8	88.2	28
29	81.4		88.8	48.8	82.8	138	127	127	78.8	48.4	88.1	82.1	29
30	81.8		88.3	44.8	71.8	142	128	134	78.8	48.3	88.1	88.3	38
31	82.8		88.3		88.8		127	138		83.8		83.7	31
TOTAL	1 818.8	1 811.7	1 812.7	1 488.8	2 381.7	4 783.4	4 814	4 828	3 852.2	1 818.4	1 731.4	1 852.4	TOTAL
MEAN	48.8	84.8	82.8	48.8	74.2	188	128	138	182	81.8	87.7	83.3	MEAN
MAX	82.8	87.4	88.2	83.7	132	282	184	188	134	78.4	88.8	88.2	MAX
MIN	38.8	81.8	48.3	43.2	48.7	88.8	118	114	71.8	48.4	88.8	42.3	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 81.1
MAXIMUM DAILY, 283 ON JUN 17
MINIMUM DAILY, 38.8 ON JAN 2

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 81 85 88 N
LONG 114 13 31 W
DRAINAGE AREA, 7 778 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	131 888	JUL	247 888
FEB	131 888	AUG	248 888
MAR	138 888	SEP	284 888
APR	128 888	OCT	188 888
MAY	188 888	NOV	188 888
JUN	411 888	DEC	143 888

TOTAL DISCHARGE, 2 888 888 dam³

BOW RIVER BELOW CARSELAND DAM - STATION NO. 05BM002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	84.0B	42.5	80.4	116	81.8	104	72.4	85.8A	---	1
2	---	---	---	84.0B	51.0	77.5	120	82.0	109	68.2	---	---	2
3	---	---	---	84.0B	58.8	83.7	108	81.8	127	65.6	---	---	3
4	---	---	---	82.0B	67.0	80.4	88.4	83.6	107	67.8	---	---	4
5	---	---	---	83.0B	80.7	87.6	84.8	82.2	108	73.1	---	---	5
6	---	---	---	81.0B	88.0	102	81.8	78.8	103	81.4	---	---	6
7	---	---	---	89.0B	73.0	137	88.9	78.6	118	88.6	---	---	7
8	---	---	---	87.0B	80.9	167	87.0	77.8	118	81.6	---	---	8
9	---	---	---	87.0B	122	172	83.2	78.8	127	72.6	---	---	9
10	---	---	---	87.0B	133	214	88.7	77.6	124	72.0	---	---	10
11	---	---	---	84.0B	188	212	104	78.1	117	71.0	---	---	11
12	---	---	---	81.0B	188	208	85.7	78.8	113	68.3	---	---	12
13	---	---	---	74.2B	186	211	88.8	77.3	110	72.1	---	---	13
14	---	---	---	86.3B	132	212	90.0	77.1	104	70.8	---	---	14
15	---	---	---	82.6	87.3	218	80.4	78.2	83.1	72.3	---	---	15
16	---	---	---	83.3	80.3	224	82.1	78.8	86.1	72.8	---	---	16
17	---	---	---	73.3	73.8	258	81.0	75.2	82.7	78.7	---	---	17
18	---	---	---	71.0	73.1	264	110	89.8	84.0	76.3	---	---	18
19	---	---	---	88.0	86.7	238	112	106	88.2	78.4	---	---	19
20	---	---	---	84.0	81.8	182	102	123	90.0	78.3	---	---	20
21	---	---	---	81.8	83.8	180	97.3	111	83.8	77.3	---	---	21
22	---	---	---	88.1	89.0	147	86.8	108	81.8	70.2	---	---	22
23	---	---	85.0B	89.3	86.6	136	88.9	108	77.8	87.3	---	---	23
24	---	---	85.0B	87.8	86.1	117	88.0	108	70.6	71.8	---	---	24
25	---	---	85.0B	48.7	87.3	118	88.3	105	88.4	73.1	---	---	25
26	---	---	85.0B	80.7	82.6	113	84.4	87.8	85.8	77.6	---	---	26
27	---	---	85.0B	48.3	83.9	112	77.7	82.8	84.0	88.7	---	---	27
28	---	---	85.0B	43.8	88.8	108	78.4	87.2	88.4	84.2	---	---	28
29	---	---	85.0B	41.7	88.6	112	87.8	107	85.9	81.3	---	---	29
30	---	---	85.0B	38.4	85.3	111	87.8	108	88.0	88.2	---	---	30
31	---	---	85.0B		89.3		88.8	108		81.0	---	---	31
TOTAL	---	---	---	1 858.8	2 494.4	4 831.6	2 808.4	2 801.1	2 818.5	2 230.2	---	---	TOTAL
MEAN	---	---	---	82.0	80.5	184	83.8	80.4	84.0	71.8	---	---	MEAN
MAX	---	---	---	88.3	188	258	120	123	127	85.8	---	---	MAX
MIN	---	---	---	38.4	42.5	80.4	77.7	78.2	84.0	68.2	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 82.3
MAXIMUM DAILY, 258 ON JUN 17
MINIMUM DAILY, 38.4 ON APR 30
MAXIMUM INSTANTANEOUS,
262 AT 00:20 MST ON JUN 18

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 49 26 N
LONG 113 28 31 W
DRAINAGE AREA, 15 700 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1968

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	251 000
FEB	---	AUG	242 000
MAR	---	SEP	244 000
APR	181 000	OCT	193 000
MAY	218 000	NOV	---
JUN	400 000	DEC	---

TOTAL DISCHARGE, 1 710 000 dam³

BOW RIVER BELOW GHOST DAM - STATION NO. 05BE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	81.8	88.8	134	107	121	88.0	88.4	---	1
2	---	---	---	---	48.0	88.7	133	106	118	72.8	88.1	---	2
3	---	---	---	---	80.2	74.1	128	118	118	87.8	85.8A	---	3
4	---	---	---	---	48.3	80.8	128	123	113	77.3	---	---	4
5	---	---	---	---	81.4	83.2	122	114	102	78.8	---	---	5
6	---	---	---	---	81.7	88.4	118	113	107	78.1	---	---	6
7	---	---	---	---	82.3	134	122	113	121	83.8	---	---	7
8	---	---	---	---	78.8	118	114	110	121	80.8	---	---	8
9	---	---	---	---	80.3	184	113	107A	118	87.8	---	---	9
10	---	---	---	---	88.3	182	114	110A	118	88.0	---	---	10
11	---	---	---	---	113	180	118	112A	111	88.2	---	---	11
12	---	---	---	---	130	188	111	118A	108	80.8	---	---	12
13	---	---	---	---	104	204	108	113A	108	81.1	---	---	13
14	---	---	---	---	78.2	201	113	111A	81.8	80.8	---	---	14
15	---	---	---	---	70.8	208	113	111A	88.2	80.8	---	---	15
16	---	---	---	---	88.2	226	113	108	78.7	84.1	---	---	16
17	---	---	---	---	88.2	240	131	118	78.1	84.2	---	---	17
18	---	---	---	---	81.8	238	133	136	80.8	88.8	---	---	18
19	---	---	---	---	83.0	212	131	127	88.2	88.8	---	---	19
20	---	---	---	48.0A	84.0	188	113	148	80.1	87.7	---	---	20
21	---	---	---	44.8	88.4	183	118	138	88.8	87.1	---	---	21
22	---	---	---	40.2	84.0	148	120	128	83.0	81.4	---	---	22
23	---	---	---	41.0	88.4	123	120	138	73.0	82.7	---	---	23
24	---	---	---	42.2	88.8	121	118	137	88.2	88.4	---	---	24
25	---	---	---	47.4	88.1	118	131	132	88.2	88.2	---	---	25
26	---	---	---	80.7	83.2	132	114	118	87.8	82.2	---	---	26
27	---	---	---	80.1	87.2	112	117	105	88.8	83.7	---	---	27
28	---	---	---	44.8	87.8	127	122	107	88.2	80.4	---	---	28
29	---	---	---	38.8	84.8	130	122	113	73.2	44.4	---	---	29
30	---	---	---	38.2	88.4	138	118	128	71.1	82.8	---	---	30
31	---	---	---		88.4		113	138		80.8	---	---	31
TOTAL	---	---	---	---	2 128.4	4 448.7	3 703	3 888	2 787.8	1 837.8	---	---	TOTAL
MEAN	---	---	---	---	88.7	148	119	118	92.8	82.2	---	---	MEAN
MAX	---	---	---	---	120	240	134	148	121	78.1	---	---	MAX
MIN	---	---	---	---	48.0	88.7	108	105	87.8	44.4	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 102
MAXIMUM DAILY, 240 ON JUN 17
MINIMUM DAILY, 44.4 ON OCT 28
MAXIMUM INSTANTANEOUS,
248 AT 13:53 MST ON JUN 18

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 12 50 N
LONG 114 38 40 W
DRAINAGE AREA, 6 550 km²
A - MANUAL GAUGE

REGULATED SINCE 1911

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	320 000
FEB	---	AUG	318 000
MAR	---	SEP	241 000
APR	---	OCT	187 000
MAY	184 000	NOV	---
JUN	384 000	DEC	---

TOTAL DISCHARGE, 1 820 000 dam³

BOW RIVER DEVELOPMENT DRAIN A NEAR HAYS - STATION NO. 05AG004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.015	0.274	0.908	0.882	0.251	0.301	0.013	---	1
2	---	---	---	---	0.012	0.288	0.851	0.807	0.246	0.290	0.014	---	2
3	---	---	---	---	0.010	0.208	0.836	0.500	0.239	0.283	0.012	---	3
4	---	---	---	---	0.008	0.220	0.459	0.412	0.227	0.185	0.013	---	4
5	---	---	---	---	0.007	0.222	0.619	0.388	0.228	0.228	0.013	---	5
6	---	---	---	---	0.005	0.205	0.538	0.374	0.228	0.242	0.014A	---	6
7	---	---	---	---	0.005	0.261	0.470	0.400	0.236	0.202	---	---	7
8	---	---	---	---	0.004	0.266	0.523	0.398	0.236	0.112	---	---	8
9	---	---	---	---	0.003	0.256	0.887	0.418	0.238	0.080	---	---	9
10	---	---	---	---	0.002	0.328	1.08	0.388	0.234	0.051	---	---	10
11	---	---	---	---	0.287	0.333	0.704	0.381	0.230	0.037	---	---	11
12	---	---	---	---	0.401	0.333	0.667	0.340	0.233	0.029	---	---	12
13	---	---	---	---	0.420	0.366	0.788	0.311	0.228	0.026	---	---	13
14	---	---	---	---	0.438	0.311	1.19	0.288	0.224	0.027	---	---	14
15	---	---	---	---	0.410	0.381	1.28	0.294	0.222	0.026	---	---	15
16	---	---	---	---	0.288	0.368	0.892	0.484	0.224	0.023	---	---	16
17	---	---	---	---	0.188	0.383	0.630	0.434	0.251	0.023	---	---	17
18	---	---	---	---	0.144	0.378	0.788	0.486	0.276	0.021	---	---	18
19	---	---	---	---	0.118	0.288	0.788	0.398	0.287	0.020	---	---	19
20	---	---	---	---	0.182	0.328	0.782	0.288	0.283	0.018	---	---	20
21	---	---	---	---	0.148	0.328	0.738	0.388	0.312	0.020	---	---	21
22	---	---	---	---	0.188	0.282	0.618	0.218	0.288	0.018	---	---	22
23	---	---	---	---	0.172	0.330	0.686	0.218	0.288	0.018	---	---	23
24	---	---	---	---	0.388	0.424	0.858	0.271	0.262	0.018	---	---	24
25	---	---	---	0.030A	0.334	0.845	1.07	0.274	0.280	0.018	---	---	25
26	---	---	---	0.035	0.287	0.448	0.678	0.407	0.288	0.018	---	---	26
27	---	---	---	0.033	0.388	0.471	0.844	0.533	0.294	0.015	---	---	27
28	---	---	---	0.028	0.371	0.387	0.674	0.479	0.288	0.014	---	---	28
29	---		---	0.022	0.388	0.481	0.557	0.410	0.258	0.014	---	---	29
30	---		---	0.017	0.363	0.518	0.812	0.333	0.283	0.014	---	---	30
31	---		---		0.280		1.08	0.317		0.014		---	31
TOTAL	---	---	---	---	8.137	10.127	23.782	12.045	7.813	2.385	---	---	TOTAL
MEAN	---	---	---	---	0.188	0.338	0.767	0.388	0.284	0.078	---	---	MEAN
MAX	---	---	---	---	0.438	0.845	1.28	0.882	0.312	0.301	---	---	MAX
MIN	---	---	---	---	0.002	0.205	0.459	0.218	0.222	0.014	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.337
MAXIMUM DAILY, 1.28 ON JUL 15
MINIMUM DAILY, 0.002 ON MAY 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 58 30 N
LONG 111 43 30 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 050
FEB	---	AUG	1 040
MAR	---	SEP	858
APR	---	OCT	303
MAY	830	NOV	---
JUN	575	DEC	---

TOTAL DISCHARGE, 5 300 dam³

BOW RIVER DEVELOPMENT DRAIN D NEAR VAUXHALL - STATION NO. 05BN005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0 A	0.707	1.48	0.858	0.428	1.20	0A	---	1
2	---	---	---	---	0	0.804	1.54	0.833	0.538	1.17	---	---	2
3	---	---	---	---	0	0.873	1.38	0.807	0.543	1.38	---	---	3
4	---	---	---	---	0	0.744	1.10	1.08	0.548	1.17	---	---	4
5	---	---	---	---	0	0.738	1.07	1.20	0.553	1.18	---	---	5
6	---	---	---	---	0	0.882	1.02	1.58	0.547	1.18	---	---	6
7	---	---	---	---	0	1.19	1.14	1.54	0.513	1.22	---	---	7
8	---	---	---	---	0	0.852	1.18	1.28	0.572	0.888	---	---	8
9	---	---	---	---	0	0.777	1.38	1.06	0.521	0.593	---	---	9
10	---	---	---	---	0	0.889	1.67	1.08	0.538	0.349	---	---	10
11	---	---	---	---	0	1.35	1.81	1.12	0.500	0.355	---	---	11
12	---	---	---	---	0	1.07	1.48	1.44	0.418	0.148	---	---	12
13	---	---	---	---	0	0.918	1.40	1.58	0.377	0.037	---	---	13
14	---	---	---	---	0	0.831	1.88	1.68	0.306	0.058	---	---	14
15	---	---	---	---	0.028	0.726	1.85	1.30	0.334	0.084	---	---	15
16	---	---	---	---	0.477	0.726	1.80	1.18	0.350	0.088	---	---	16
17	---	---	---	---	0.701	0.825	1.44	1.21	0.390	0.081	---	---	17
18	---	---	---	---	1.07	1.14	0.887	1.24	0.438	0.047	---	---	18
19	---	---	---	---	1.24	1.13	0.841	1.30	0.418	0.040	---	---	19
20	---	---	---	---	0.897	0.841	1.28	1.52	0.374	0.028	---	---	20
21	---	---	---	---	0.794	0.886	1.07	1.48	0.483	0.018	---	---	21
22	---	---	---	---	0.833	0.817	1.08	1.24	0.841	0.010	---	---	22
23	---	---	---	---	0.931	0.818	1.28	1.28	0.620	0.004	---	---	23
24	---	---	---	---	1.47	1.08	1.80	1.28	0.857	0	---	---	24
25	---	---	---	---	1.34	1.88	1.28	1.11	0.738	0	---	---	25
26	---	---	---	---	0.772	1.84	1.43	1.28	0.778	0	---	---	26
27	---	---	---	---	0.672	1.24	1.28	1.28	0.812	0	---	---	27
28	---	---	---	---	0.888	1.42	1.40	1.28	0.803	0	---	---	28
29	---		---	---	0.898	1.32	1.38	1.14	1.18	0	---	---	29
30	---		---	---	0.878	1.22	1.48	1.01	1.18	0	---	---	30
31	---		---		0.887		1.49	0.635		0		---	31
TOTAL	---	---	---	---	13.740	28.744	41.858	38.331	17.108	10.895	---	---	TOTAL
MEAN	---	---	---	---	0.443	0.881	1.35	1.24	0.570	0.385	---	---	MEAN
MAX	---	---	---	---	1.47	1.85	1.80	1.68	1.18	1.28	---	---	MAX
MIN	---	---	---	---	0	0.804	0.841	0.833	0.306	0	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.825
MAXIMUM DAILY, 1.80 ON JUL 18
MINIMUM DAILY, 0A ON MAY 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 11 40 N
LONG 112 02 50 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 830
FEB	---	AUG	3 310
MAR	---	SEP	1 480
APR	---	OCT	980
MAY	1 180	NOV	---
JUN	2 870	DEC	---

TOTAL DISCHARGE, 13 100 dam³

BOW RIVER DEVELOPMENT DRAIN T NEAR HAYS - STATION NO. 05AC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.014	0.085	0.282	0.704	0.441	0.581	0.033	---	1
2	---	---	---	---	0.018	0.212	0.372	0.822	0.441	0.644	0.030	---	2
3	---	---	---	---	0.014	0.440	0.387	0.587	0.433	0.884	0.031	---	3
4	---	---	---	---	0.013	0.484	0.448	0.788	0.428	0.882	0.031	---	4
5	---	---	---	---	0.011	0.480	0.478	0.803	0.489	0.708	0.034	---	5
6	---	---	---	---	0.008	0.317	0.478	0.784	0.847	0.785	0.033A	---	6
7	---	---	---	---	0.008	0.272	0.644	1.08	0.518	0.848	---	---	7
8	---	---	---	---	0.008	0.384	0.775	1.14	0.538	0.280	---	---	8
9	---	---	---	---	0.007	0.300	0.845	0.748	0.535	0.157	---	---	9
10	---	---	---	---	0.038	0.228	0.782	0.897	0.529	0.138	---	---	10
11	---	---	---	---	0.008	0.388	0.815	0.880	0.518	0.211	---	---	11
12	---	---	---	---	0.120	0.478	0.780	0.707	0.514	0.187	---	---	12
13	---	---	---	---	0.130	0.580	0.822	0.718	0.508	0.088	---	---	13
14	---	---	---	---	0.137	0.643	0.843	0.613	0.482	0.084	---	---	14
15	---	---	---	---	0.186	0.648	0.788	0.578	0.483	0.043	---	---	15
16	---	---	---	---	0.112	0.553	0.693	0.448	0.502	0.043	---	---	16
17	---	---	---	---	0.148	0.829	0.863	0.368	0.518	0.038	---	---	17
18	---	---	---	---	0.128	0.882	0.872	0.269	0.588	0.034	---	---	18
19	---	---	---	---	0.184	0.595	0.887	0.281	0.588	0.031	---	---	19
20	---	---	---	---	0.218	0.519	0.883	0.300	0.502	0.030	---	---	20
21	---	---	---	---	0.211	0.507	0.775	0.378	0.848	0.031	---	---	21
22	---	---	---	---	0.188	0.530	0.808	0.338	0.848	0.031	---	---	22
23	---	---	---	---	0.180	0.870	1.11	0.383	0.824	0.028	---	---	23
24	---	---	---	---	0.170	0.788	1.15	0.382	0.824	0.027	---	---	24
25	---	---	---	0.025A	0.021	0.748	1.10	0.447	0.841	0.028	---	---	25
26	---	---	---	0.025	0.081	0.712	0.988	0.483	0.585	0.030	---	---	26
27	---	---	---	0.024	0.088	0.443	0.788	0.238	0.817	0.031	---	---	27
28	---	---	---	0.020	0.133	0.485	0.804	0.472	0.828	0.031	---	---	28
29	---		---	0.018	0.170	0.418	0.898	0.485	0.885	0.032	---	---	29
30	---		---	0.018	0.144	0.284	0.838	0.488	0.878	0.030	---	---	30
31	---		---		0.078		0.864	0.481		0.028		---	31
TOTAL	---	---	---	---	3.025	14.044	24.363	18.990	18.094	8.288	---	---	TOTAL
MEAN	---	---	---	---	0.098	0.488	0.786	0.848	0.638	0.302	---	---	MEAN
MAX	---	---	---	---	0.218	0.788	1.15	1.14	0.848	0.785	---	---	MAX
MIN	---	---	---	---	0.007	0.085	0.282	0.236	0.433	0.028	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.438
MAXIMUM DAILY, 1.15 ON JUL 24
MINIMUM DAILY, 0.007 ON MAY 9

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 55 00 N
LONG 111 43 40 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 100
FEB	---	AUG	1 470
MAR	---	SEP	1 380
APR	---	OCT	842
MAY	281	NOV	---
JUN	1 210	DEC	---

TOTAL DISCHARGE, 6 970 dam³

BOW RIVER DEVELOPMENT MAIN CANAL - STATION NO. 05AC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	31.8	32.0	32.5	30.4	33.4	14.5	0	---	1
2	---	---	---	0	32.1	32.1	32.9	31.6	33.1	14.0	0	---	2
3	---	---	---	0	32.4	32.1	32.8	31.6	24.2	14.5	0	---	3
4	---	---	---	0	32.8	32.1	32.2	31.7	31.2	14.8	0	---	4
5	---	---	---	0	32.4	33.1	32.8	31.9	31.2	14.3	0	---	5
6	---	---	---	0	27.8	32.8	33.2	31.7	31.1	8.81	0	---	6
7	---	---	---	0	26.6	31.4	32.8	31.3	28.4	3.81	0	---	7
8	---	---	---	0	26.2	32.3	32.4	31.2	28.0	0.471	0	---	8
9	---	---	---	0	20.4	33.0	32.7	31.3	28.3	0.102	0	---	9
10	---	---	---	0	12.4	31.7	33.5	31.1	24.8	0.028	0	---	10
11	---	---	---	0	18.7	31.8	33.8	31.0	28.7	0	0	---	11
12	---	---	---	0	20.5	31.7	32.1	31.2	28.2	0	0	---	12
13	---	---	---	0	20.6	32.4	32.7	31.1	21.8	0	0	---	13
14	---	---	---	0	20.5	32.6	33.0	30.9	19.8	0	0	---	14
15	---	---	---	0	20.8	32.5	33.1	31.0	19.0	0	0	---	15
16	---	---	---	0	24.8	32.7	33.0	31.0	19.5	0	0	---	16
17	---	---	---	0	24.8	28.3	32.8	30.7	19.2	0	0	---	17
18	---	---	---	0	25.4	26.3	32.7	30.6	19.2	0	0	---	18
19	---	---	---	0	25.8	26.6	32.7	27.1	19.1	0	0	---	19
20	---	---	---	4.78A	26.9	28.8	32.8	27.1	19.1	0	0	---	20
21	---	---	---	13.8	28.8	31.1	32.2	30.8	18.8	0	0A	---	21
22	---	---	0A	16.8	28.8	31.8	32.8	32.2	18.7	0	0E	---	22
23	---	---	0	21.1	28.1	32.1	33.0	33.5	18.1	0	0E	---	23
24	---	---	0	21.8 A	28.0	32.1	33.0	31.2	15.8	0	0E	---	24
25	---	---	0	28.1 E	26.8	31.8	32.8	30.7	16.0	0	0E	---	25
26	---	---	0	28.7 A	28.1	31.8	32.8	30.7	16.8	0	0E	---	26
27	---	---	0	30.3	28.8	32.8	33.4	32.1	14.8	0	0E	---	27
28	---	---	0	31.8	28.8	32.1	32.0	33.0	14.7	0	0E	---	28
29	---		0	32.3	28.1	32.4	28.0	31.4	14.4	0	0E	---	29
30	---		0	33.0	28.8	32.8	27.8	33.1	14.4	0	0E	---	30
31	---		0		33.0		27.7	33.8		0		---	31
TOTAL	---	---	---	388.08	833.5	944.5	1 001.3	984.0	656.8	88.032	0	---	TOTAL
MEAN	---	---	---	5.87	26.8	31.6	32.3	31.1	22.0	2.77	0	---	MEAN
MAX	---	---	---	33.2	33.8	33.1	33.8	33.8	33.4	14.8	0	---	MAX
MIN	---	---	---	0	12.4	28.3	27.7	27.1	14.4	0	0	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 19.8
MAXIMUM DAILY, 33.8 ON JUL 11
MINIMUM DAILY, 0 ON APR 1

SUMMARY FOR THE MONTHS APR TO NOV

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 44 48 N
LONG 113 01 17 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1918

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	88 500
FEB	---	AUG	83 300
MAR	---	SEP	58 800
APR	23 000	OCT	7 430
MAY	71 800	NOV	0
JUN	81 800	DEC	---

TOTAL DISCHARGE, 411 000 dam³

BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL A NEAR HEADGATE - STATION NO. 05AC013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0	0.080	1.45	0.886	0.032	0.822	---	---	1
2	---	---	---	---	0	0.088	1.42	0.780	0.031	0.878	---	---	2
3	---	---	---	---	0	0.323	1.43	0.676	0.031	0.871	---	---	3
4	---	---	---	---	0	0.384	1.41	0.987	0.031	0.870	---	---	4
5	---	---	---	---	0	0.338	1.31	0.734	0.031	0.804	---	---	5
6	---	---	---	---	0	0.420	1.28	0.731	0.030	0.304	---	---	6
7	---	---	---	---	0	0.593	1.24	0.731	0.030	0	---	---	7
8	---	---	---	---	0	0.788	1.24	0.744	0.057	0	---	---	8
9	---	---	---	---	0	0.839	1.27	0.737	0.071	0	---	---	9
10	---	---	---	---	0	0.897	1.31	0.880	0.070	0	---	---	10
11	---	---	---	---	0	0.898	1.33	0.568	0.070	0	---	---	11
12	---	---	---	---	0.038	0.792	1.31	0.379	0.068	0	---	---	12
13	---	---	---	---	0.038	0.734	1.38	0.338	0.068	0	---	---	13
14	---	---	---	---	0.038	0.898	1.35	0.403	0.068	0	---	---	14
15	---	---	---	---	0.019	0.898	1.31	0.428	0.068	0	---	---	15
16	---	---	---	---	0	0.743	1.31	0.368	0.068	0	---	---	16
17	---	---	---	---	0	0.788	1.24	0.317	0.068	0	---	---	17
18	---	---	---	---	0.011	0.818	1.41	0.281	0.083	0	---	---	18
19	---	---	---	---	0.052	0.873	1.40	0.284	0.052	0	---	---	19
20	---	---	---	---	0.133	0.870	1.39	0.294	0.084	0	---	---	20
21	---	---	---	---	0.181	1.00	1.40	0.108	0.052	0	---	---	21
22	---	---	---	---	0.187	1.08	1.41	0.008	0.048	0	---	---	22
23	---	---	---	---	0.148	1.19	1.50	0.005	0.048	0	---	---	23
24	---	---	---	---	0.113	1.27	1.51	0.004	0.048	0	---	---	24
25	---	---	---	---	0.082	1.29	1.49	0.033	0.085	0	---	---	25
26	---	---	---	---	0.087	1.31	1.44	0.037	0.088	0	---	---	26
27	---	---	---	---	0.088	1.38	1.38	0.037	0.087	0	---	---	27
28	---	---	---	---	0.088	1.44	1.37	0.036	0.214	0	---	---	28
29	---	---	---	---	0.090	1.42	1.13	0.034	0.477	0	---	---	29
30	---	---	---	---	0.088	1.43	0.882	0.034	0.595	0	---	---	30
31	---		---		0.088		0.985	0.033		0		---	31
TOTAL	---	---	---	---	1.830	25.332	40.957	11.387	2.833	3.348	---	---	TOTAL
MEAN	---	---	---	---	0.049	0.844	1.32	0.367	0.094	0.108	---	---	MEAN
MAX	---	---	---	---	0.187	1.44	1.51	0.888	0.595	0.878	---	---	MAX
MIN	---	---	---	---	0	0.088	0.985	0.004	0.030	0	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.484
MAXIMUM DAILY, 1.51 ON JUL 24
MINIMUM DAILY, 0 ON MAY 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 11 30 N
LONG 112 38 00 W

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 940
FEB	---	AUG	882
MAR	---	SEP	340
APR	---	OCT	289
MAY	132	NOV	---
JUN	2 190	DEC	---

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REGULATED

TOTAL DISCHARGE, 7 380 dam³

BOW RIVER NEAR SEEBE - STATION NO. 05BE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	36.0	40.7	50.6	37.6	28.0	75.6	128	118	116	82.0	64.6	51.6	1
2	35.2	50.3	48.7	37.6	41.6	81.6	127	122	110	84.0	61.6	50.6	2
3	42.4	52.6	54.4	41.1	48.2	108	123	126	108	85.0	59.0	50.0	3
4	45.6	54.0	48.1	41.6	43.6	114	117	118	110	88.4	59.3	44.1	4
5	47.2	51.1	38.2	38.3	47.6	134	122	108	101	88.4	64.6	48.4	5
6	46.6	53.6	43.6	40.1	51.6	168	122	102	104	71.1	58.2	51.3	6
7	37.2	51.7	48.2	48.1	48.2	181	118	106	106	84.3	56.4	57.1	7
8	38.6	51.3	50.7	46.0	70.7	202	116	108	108	58.6	52.1	60.3	8
9	38.6	50.2	46.2	37.1	78.6	204	108	114	107	50.0	45.2	55.6	9
10	46.6	54.4	55.6	44.0	101	208	114	124	88.3	54.6	58.6	48.6	10
11	51.0	48.1	37.3	41.6	108	211	116	130	88.2	59.2	59.0	48.3	11
12	52.6	38.6	41.1	48.2	107	220	117	116	84.3	62.3	58.6	50.0	12
13	53.2	53.6	40.6	46.1	88.2	224	118	92.2	86.6	58.6	58.6	51.3	13
14	47.6	51.7	52.4	37.1	69.6	233	117	108	80.6	58.3	58.0	57.2	14
15	38.4	53.7	50.3	38.1	52.0	247	116	112	80.1	57.6	58.3	58.3	15
16	48.6	52.6	48.1	37.6	51.7	257	120	114	88.6	58.6	58.7	53.6	16
17	48.6	53.0	58.3	38.6	64.4	257	134	122	74.1	61.3	60.2	51.3	17
18	53.4	41.2	48.1	43.6	86.3	216	127	124	88.3	60.6	61.6	42.1	18
19	50.6	42.0	38.6	40.3	95.1	194	116	121	88.7	58.4	62.2	48.6	19
20	50.0	41.6	52.4	42.1	88.6	176	117	128	72.0	59.6	58.6	48.6	20
21	43.4	47.7	58.1	43.7	76.2	184	118	134	73.6	57.7	56.6	38.7	21
22	40.3	50.7	53.0	41.1	68.7	162	130	134	76.6	63.1	52.6	61.0	22
23	46.4	53.6	46.6	40.6	73.6	133	126	130	73.2	64.2	56.1	48.6	23
24	48.1	56.0	48.7	38.6	80.3	122	120	127	83.2	66.6	56.7	50.7	24
25	48.7	43.2	40.9	39.6	83.6	121	114	122	70.1	67.6	67.1	43.1	25
26	53.4	38.7	38.0	37.3	81.6	128	113	108	71.6	62.6	61.6	61.4	26
27	57.6	50.2	40.6	42.3	78.6	130	108	102	71.1	62.1	60.2	64.2	27
28	47.6	46.6	44.7	38.6	66.6	134	114	107	74.6	66.6	66.6	49.3	28
29	43.6		43.6	37.1	70.1	126	113	116	83.7	66.6	66.6	50.6	29
30	56.1		38.3	38.2	70.7	131	114	113	81.2	66.7	67.0	46.6	30
31	57.7		40.6		77.1		120	118		66.6		44.7	31
TOTAL	1 439.6	1 369.3	1 436.1	1 206.0	2 382.3	5 056.6	3 884	3 829	2 841.3	1 833.1	1 864.6	1 562.6	TOTAL
MEAN	46.1	48.9	46.4	40.3	76.9	168	119	117	88.0	59.1	55.5	50.4	MEAN
MAX	57.6	56.0	58.1	48.1	108	257	134	134	116	71.1	60.2	60.6	MAX
MIN	35.2	35.6	36.6	38.2	28.0	75.6	108	102	81.2	48.6	46.2	38.7	MIN

SUMMARY FOR THE YEAR 1989

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 78.3
MAXIMUM DAILY, 257 ON JUN 16
MINIMUM DAILY, 28.0 ON MAY 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 07 10 N
LONG 115 02 00 W
DRAINAGE AREA, 5 170 km²

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	124 000	JUL	318 000
FEB	118 000	AUG	314 000
MAR	124 000	SEP	236 000
APR	104 000	OCT	158 000
MAY	203 000	NOV	144 000
JUN	437 000	DEC	138 000

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED SINCE 1911

TOTAL DISCHARGE, 2 410 000 dam³

BOW RIVER NEAR THE MOUTH - STATION NO. 05BN012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	35.0B	50.0B	59.8B	70.0B	22.6	21.6	61.2	28.9	74.4	48.2	83.2	83.0B	1
2	36.2B	53.0B	59.8B	74.0B	26.6	23.6	62.8	36.3	70.1	48.7	83.7	81.0B	2
3	42.0B	50.0B	57.0B	77.0B	24.6	17.6	62.6	40.2	78.3	48.0	87.2	80.0B	3
4	40.5B	48.8B	54.5B	81.0B	23.3	14.6	67.2	42.2	80.0	47.8	74.3	48.0B	4
5	38.5B	46.2B	53.7B	84.0B	27.7	28.7	67.8	38.6	103	83.1	78.7	46.0B	5
6	37.0B	46.7B	55.0B	88.1B	25.6	38.4	66.8	36.7	87.8	82.6	76.7	40.0B	6
7	36.0B	50.0B	56.8B	82.0B	21.6	44.6	63.8	37.8	86.2	87.7	75.1	37.0B	7
8	33.3B	52.4B	56.2B	86.0B	23.7	37.6	62.3	38.4	77.4	111	88.7	30.0B	8
9	31.8B	54.1B	59.7B	85.0B	34.0	57.2	61.2	38.0	83.0	108	86.3	26.6B	9
10	30.0B	56.6B	61.2B	83.0B	36.4	120	36.8	38.7	85.6	108 A	89.0	24.0B	10
11	28.2B	56.6B	63.0B	80.6B	82.2	130	36.3	36.8	88.0	102 A	88.8	22.6B	11
12	28.6B	60.0B	64.7B	80.6B	103	168	33.0	30.2	101	98.7A	74.3	19.8B	12
13	31.0B	61.5B	66.6B	103	117	184	66.6	32.3	102	94.5	74.3	18.8B	13
14	40.0B	61.5B	66.4B	107	134	184	62.3	32.3	91.3	88.0	80.0B	18.8B	14
15	50.0B	61.7B	66.0B	124	124	168	46.8	31.8	83.2	88.1	84.0B	18.4B	15
16	58.0B	60.0B	63.6B	122	104	163	63.1	33.0	88.7	78.8	86.0B	20.4B	16
17	61.5B	57.6B	62.3B	126	78.6	168	62.8	33.7	80.0	78.2	80.0B	22.0B	17
18	64.2B	56.0B	61.0B	112	63.4	176	67.8	31.7	80.3	78.8	82.6B	26.0B	18
19	66.0B	52.4B	60.0B	101	36.2	208	63.6	36.6	80.4	82.6	83.6B	27.0B	19
20	66.6B	50.0B	56.9B	86.1	33.6	206	66.6	38.6	86.4	85.2	83.0B	30.4B	20
21	66.6B	50.1B	56.4B	87.8	64.6	187	61.6	61.4	87.8	88.0	82.0B	36.0B	21
22	66.6B	50.0B	56.2B	38.0	27.7	137	67.7	63.0	74.1	86.6	80.6B	40.0B	22
23	66.0B	54.7B	56.1B	38.6	16.2	114	66.6	74.2	66.3	86.1	86.6B	46.0B	23
24	63.6B	56.2B	56.7B	62.2	16.2	102	67.6	76.6	62.7	80.6	80.0B	51.6B	24
25	62.1B	62.6B	66.2B	61.0	30.3	86.1	66.6	76.6	63.1	73.7	86.6B	66.0B	25
26	61.2B	63.6B	66.6B	66.6	20.1	74.6	67.2	76.6	66.1	76.6	86.0B	66.0B	26
27	61.4B	63.2B	60.4B	66.2	30.6	86.6	66.1	76.6	67.6	77.2	84.6B	72.0B	27
28	62.0B	62.0B	61.6B	34.6	36.6	74.1	66.2	76.1	70.7	80.2	84.0B	76.6B	28
29	63.1B		63.3B	60.7	30.6	66.7	66.3	66.6	66.2	78.4	84.0B	76.6B	29
30	64.2B		64.0B	66.1	26.6	67.2	66.0	67.7	37.6	76.0	83.0B	76.6B	30
31	64.6B		67.0B		16.2		31.3	67.7		67.6		76.0B	31
TOTAL	1 663.2	1 586.6	1 873.6	2 366.7	1 412.6	3 077.6	1 611.6	1 463.2	2 266.0	2 440.6	1 803.6	1 316.6	TOTAL
MEAN	50.1	56.6	60.4	78.6	46.6	103	66.6	67.6	76.3	78.7	83.6	42.4	MEAN
MAX	66.6	63.6	67.0	126	134	206	67.6	63.0	103	111	78.7	76.6	MAX
MIN	26.2	46.2	63.7	33.1	16.2	14.6	31.3	26.6	36.2	66.0	63.6	16.6	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 63.4
MAXIMUM DAILY, 206 ON JUN 16
MINIMUM DAILY, 14.6 ON JUN 4
MAXIMUM INSTANTANEOUS,
316 AT 10:16 MST ON JUN 16

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 03 47 N
LONG 111 35 36 W
DRAINAGE AREA, 26 300 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1911

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	134 000	JUL	131 000
FEB	135 000	AUG	126 000
MAR	162 000	SEP	195 000
APR	206 000	OCT	211 000
MAY	122 000	NOV	184 000
JUN	266 000	DEC	114 000

TOTAL DISCHARGE, 1 970 000 dam³

BOYER RIVER NEAR FORT VERMILION - STATION NO. 07JF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0888	0.0818	43.7	88.0	8.88	0.611	0.008	0.008	0.058	---	1
2	---	---	0.1018	0.0828	37.8	88.4	8.17	0.388	0.008	0.008	0.064A	---	2
3	---	---	0.1228	0.0818	38.7	81.7	8.83	0.400	0.008	0.008	---	---	3
4	---	---	0.0838	0.0838	38.8	48.2	8.14	0.388	0.008	0.007	---	---	4
5	---	---	0.0878	0.0788	38.2	43.8	4.78	0.308	0.008	0.008	---	---	5
6	---	---	0.1018	0.0788	38.8	38.8	4.84	0.286	0.008	0.007	---	---	6
7	---	---	0.0978	0.0848	40.1	37.1	4.82	0.267	0.004	0.010	---	---	7
8	---	---	0.1068	0.0838	41.0	36.0	4.87	0.278	0.004	0.014	---	---	8
9	---	---	0.1078	0.0838	42.0	36.8	4.83	0.228	0.004	0.018	---	---	9
10	---	---	0.1008	0.0848	42.3	37.0	4.28	0.186	0.004	0.020	---	---	10
11	---	---	0.0948	0.111	41.8	34.0	3.81	0.174	0.004	0.022	---	---	11
12	---	---	0.0838	0.143	40.3	30.0	3.86	0.188	0.004	0.022	---	---	12
13	---	---	0.0828	0.176	37.8	26.3	3.35	0.137	0.004	0.022	---	---	13
14	---	---	0.0698	0.246	36.1	23.0	3.08	0.113	0.004	0.028	---	---	14
15	---	---	0.0478	0.3788	32.6	20.4	3.01	0.087	0.008	0.031	---	---	15
16	---	---	0.0488	0.6398	30.3	18.8	3.23	0.070	0.008	0.031	---	---	16
17	---	---	0.0488	3.41 B	28.1	17.8	3.14	0.061	0.008	0.033	---	---	17
18	---	---	0.0488	4.50 B	26.1	16.4	2.71	0.043	0.008	0.038	---	---	18
19	---	---	0.0528	2.82 B	24.3	15.0	1.70 E	0.033	0.008	0.039	---	---	19
20	---	---	0.0578	1.88 B	23.1	13.7	1.24 E	0.026	0.008	0.041	---	---	20
21	---	---	0.0628	1.78 B	23.7	12.3	1.26 E	0.020	0.007	0.041	---	---	21
22	---	---	0.0618	1.67 B	27.0	11.2	1.36 E	0.021	0.006	0.048	---	---	22
23	---	---	0.0678	2.61 B	31.2	10.5	1.44 A	0.026	0.008	0.048	---	---	23
24	---	---	0.0578	4.26 B	38.0	9.82	1.61 A	0.024	0.008	0.044	---	---	24
25	---	---	0.0588	7.87	46.6	9.31	1.11 A	0.021	0.008	0.047	---	---	25
26	---	---	0.0618	11.1	51.1	8.72	0.686A	0.017	0.008	0.048	---	---	26
27	---	---	0.0628	17.8	56.1	8.54	0.637A	0.018	0.008	0.068	---	---	27
28	---	---	0.0868	30.6	60.6	7.71	0.604	0.013	0.008	0.077	---	---	28
29	---	---	0.0828	44.8	63.0	8.38	0.372	0.008	0.008	0.077	---	---	29
30	---	---	0.0928	48.1	63.1	7.06	0.281	0.008	0.008	0.086	---	---	30
31	---		0.0868		61.6		0.341	0.008		0.067	---	---	31
TOTAL	---	---	2.371	181.331	1 237.8	766.34	88.903	4.228	0.181	1.012	---	---	TOTAL
MEAN	---	---	0.076	6.04	39.9	25.2	2.90	0.136	0.006	0.033	---	---	MEAN
MAX	---	---	0.122	48.1	63.1	88.0	8.88	0.611	0.008	0.077	---	---	MAX
MIN	---	---	0.048	0.078	23.1	7.71	0.281	0.008	0.004	0.008	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.27
MAXIMUM DAILY, 63.1 ON MAY 30
MINIMUM DAILY, 0.004 ON SEP 7
MAXIMUM INSTANTANEOUS,
63.4 AT 04:00 MST ON MAY 30

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 26 43 N
LONG 116 16 10 W
DRAINAGE AREA, 8 880 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	7 770
FEB	---	AUG	385
MAR	205	SEP	13.0
APR	15 700	OCT	87.4
MAY	107 000	NOV	---
JUN	66 300	DEC	---

TOTAL DISCHARGE, 196 000 dam³

BEAVER RIVER NEAR PADDLE PRAIRIE - STATION NO. 07JF004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0028	0.0028	4.00	0.348	0	0	0	0	0.0068	---	1
2	---	---	0.0028	0.0028	3.06	0.187	0	0	0	0	0.0068	---	2
3	---	---	0.0028	0.0028	2.88	0.088	0	0	0	0	0.0068	---	3
4	---	---	0.0028	0.0028	2.06	0.081	0	0	0	0	---	---	4
5	---	---	0.0028	0.0028	1.78	0.072	0	0	0	0	---	---	5
6	---	---	0.0028	0.0028	1.50	0.078	0	0	0	0	---	---	6
7	---	---	0.0028	0.0038	1.06	0.086	0	0	0	0	---	---	7
8	---	---	0.0028	0.0048	0.838	0.330	0	0	0	0	---	---	8
9	---	---	0.0028	0.0058	0.228	0.360	0	0	0	0	---	---	9
10	---	---	0.0028	0.0068	0.098	0.276	0	0	0	0	---	---	10
11	---	---	0.0028	0.0238	0.034	0.184	0	0	0	0	---	---	11
12	---	---	0.0028	3.33 E	0.011	0.023	0	0	0	0	---	---	12
13	---	---	0.0028	7.63 E	0.111	0.121	0	0	0	0	---	---	13
14	---	---	0.0028	4.80 E	0.148	0.118	0	0	0	0.001	---	---	14
15	---	---	0.0028	2.34 E	0.137	0.104	0	0	0	0.002	---	---	15
16	---	---	0.0028	2.31 E	0.148	0.082	0	0	0	0.001	---	---	16
17	---	---	0.0028	1.34 E	0.118	0.062	0	0	0	0.001	---	---	17
18	---	---	0.0028	0.8848	0.148	0.038	0	0	0	0	---	---	18
19	---	---	0.0028	0.8848	0.133	0.023	0	0	0	0	---	---	19
20	---	---	0.0028	0.848	0.281	0.128	0	0	0	0	---	---	20
21	---	---	0.0028	0.710	0.648	0.280	0	0	0	0	---	---	21
22	---	---	0.0028	0.688	1.81	0.228	0	0	0	0	---	---	22
23	---	---	0.0028	0.720	2.10	0.136	0	0	0	0	---	---	23
24	---	---	0.0028	0.808	2.67	0.062	0	0	0	0	---	---	24
25	---	---	0.0028	0.888	2.78	0.043	0	0	0	0	---	---	25
26	---	---	0.0028	1.17	2.38	0	0	0	0	0	---	---	26
27	---	---	0.0028	1.43	1.88	0	0	0	0	0	---	---	27
28	---	---	0.0028	1.78	1.57	0	0	0	0	0	---	---	28
29	---		0.0028	3.41	1.32	0	0	0	0	0	---	---	29
30	---		0.0028	5.14	0.988	0	0	0	0	0.001	---	---	30
31	---		0.0028		0.820		0	0		0.0048		---	31
TOTAL	---	---	0.082	40.975	38.654	3.488	0	0	0	0.010	---	---	TOTAL
MEAN	---	---	0.002	1.37	1.18	0.116	0	0	0	0	---	---	MEAN
MAX	---	---	0.002	7.63	4.00	0.360	0	0	0	0.004	---	---	MAX
MIN	---	---	0.002	0.002	0.011	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.331
MAXIMUM DAILY, 7.630 ON APR 13
MINIMUM DAILY, 0 ON JUN 26
MAXIMUM INSTANTANEOUS,
14.88 AT 20:00 MST ON APR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 54 30 N
LONG 117 36 45 W
DRAINAGE AREA, 84.3 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	5.36	SEP	0
APR	3 540	OCT	0.86
MAY	3 170	NOV	---
JUN	300	DEC	---

TOTAL DISCHARGE, 7 020 dam³

BRAZEAU RESERVOIR - STATION NO. 05DD005

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0859.81	0855.18	0852.30	0848.74	0850.14	0853.00	0858.38	0861.71	0864.48	0865.52	0865.31	0864.20	1
2	0859.48	0855.08	0852.30	0848.88	0850.22	0853.08	0858.47	0861.90	0864.52	0865.50	0865.32	0864.16	2
3	0859.42	0854.97	0852.08	0848.76	0850.34	0853.18	0858.53	0862.19	0864.72	0865.48	0865.31	0864.08	3
4	0859.38	0854.80	0851.83	0848.72	0850.51	0853.23	0858.80	0862.61	0864.88	0865.44	0865.35	0864.04	4
5	0859.28	0854.67	0851.80	0848.61	0850.58	0853.27	0858.84	0862.88	0864.93	0865.47	0865.37	0863.98	5
6	0859.24	0854.48	0851.88	0848.87	0850.88	0853.31	0858.82	0862.70	0864.88	0865.48	0865.37	0863.81	6
7	0859.08	0854.37	0851.88	0848.70	0850.83	0853.38	0858.87	0862.73	0864.84	0865.53	0865.32	0863.87	7
8	0858.93	0854.20	0851.80	0848.70	0851.08	0853.88	0858.81	0862.75	0864.80	0865.87	0865.28	0863.80	8
9	0858.77	0854.12	0851.43	0848.70	0851.38	0853.97	0858.28	0862.82	0864.84	0865.83	0865.35	0863.74	9
10	0858.88	0854.03	0851.34	0848.78	0851.63	0854.38	0859.88	0862.81	0864.88	0865.87	0865.21	0863.88	10
11	0858.48	0853.80	0851.38	0848.74	0851.88	0854.88	0860.03	0863.00	0864.88	0865.84	0865.23	0863.83	11
12	0858.38	0853.84	0851.18	0848.87	0851.84	0854.88	0860.48	0862.87	0865.01	0865.84	0865.28	0863.83	12
13	0858.28	0853.78	0851.23	0848.88	0851.88	0855.20	0860.78	0863.00	0864.88	0865.48	0865.22	0863.48	13
14	0858.08	0853.88	0851.18	0848.80	0851.84	0856.42	0860.88	0863.03	0865.00	0865.48	0865.11	0863.38	14
15	0857.92	0853.88	0851.08	0848.81	0851.80	0858.88	0861.28	0863.03	0865.04	0865.80	0865.08	0863.33	15
16	0857.78	0853.44	0850.84	0848.73	0851.88	0855.88	0861.80	0863.18	0865.11	0865.44	0864.88	0863.28	16
17	0857.82	0853.32	0850.82	0848.78	0851.83	0856.20	0861.72	0863.88	0865.21	0865.42	0864.84	0863.23	17
18	0857.42	0853.27	0850.88	0848.78	0851.88	0856.61	0861.78	0864.32	0865.27	0865.40	0864.81	0863.18	18
19	0857.34	0853.18	0850.84	0848.71	0851.80	0856.88	0861.84	0864.43	0865.31	0865.38	0864.80	0863.08	19
20	0857.18	0853.11	0850.78	0848.88	0851.88	0856.81	0861.88	0864.44	0865.34	0865.38	0864.84	0862.83	20
21	0857.03	0852.88	0850.88	0848.81	0852.12	0856.88	0861.88	0864.34	0865.37	0865.38	0864.80	0862.82	21
22	0856.88	0852.80	0850.38	0848.48	0852.18	0857.04	0861.88	0864.37	0865.38	0865.42	0864.71	0862.71	22
23	0856.71	0852.88	0850.17	0848.70	0852.33	0857.11	0861.84	0864.44	0865.38	0865.38	0864.87	0862.81	23
24	0856.58	0852.75	0850.08	0848.78	0852.40	0857.21	0861.81	0864.48	0865.40	0865.40	0864.88	0862.88	24
25	0856.42	0852.70	0849.88	0848.74	0852.84	0857.41	0861.81	0864.40	0865.41	0865.38	0864.88	0862.81	25
26	0856.23	0852.58	0848.88	0848.70	0852.82	0857.88	0861.78	0864.41	0865.40	0865.38	0864.48	0862.48	26
27	0856.11	0852.48	0850.01	0848.88	0852.78	0857.74	0861.78	0864.40	0865.40	0865.38	0864.41	0862.40	27
28	0855.91	0852.41	0848.81	0848.74	0852.82	0857.87	0861.72	0864.38	0865.41	0865.40	0864.34	0862.38	28
29	0855.77		0848.80	0848.74	0852.85	0858.18	0861.88	0864.38	0865.44	0865.37	0864.32	0862.23	29
30	0855.82		0848.78	0848.84	0852.88	0858.28	0861.70	0864.34	0865.47	0865.37	0864.28	0862.12	30
31	0855.40		0848.72		0852.93		0861.88	0864.38		0865.37		0862.07	31
MEAN	857.70	853.88	850.82	848.88	851.78	855.80	860.62	863.80	865.10	865.48	864.88	863.20	MEAN
MAX	0859.81	0855.18	0852.30	0848.84	0852.83	0858.28	0861.88	0864.48	0865.47	0865.87	0865.37	0864.20	MAX
MIN	0855.40	0852.41	0848.72	0848.48	0850.14	0853.00	0858.38	0861.71	0864.48	0865.38	0864.28	0862.07	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 858.58
MAXIMUM DAILY, 0863.87 ON OCT 10
MINIMUM DAILY, 0848.48 ON APR 22

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 58 14 N
LONG 115 34 48 W
DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED

DRAINAGE AREA,
5 500 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BRAZEAU RIVER BELOW BRAZEAU PLANT - STATION NO. 05DD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	29.5	43.2	34.3	9.71	35.9	42.6	43.5	83.4	148	35.5	41.6	48.3	1
2	28.4	43.7	30.1	9.07	38.6	80.5	58.4	80.7	108	86.9	32.5	43.4	2
3	21.4	40.6	47.5	8.87	42.1	80.6	49.6	132	95.1	54.5	41.5	43.5	3
4	30.3	43.3	33.8	15.2	40.0	59.4	83.7	181	88.3	86.2	23.3	44.0	4
5	28.9	51.3	30.4	8.47	44.7	52.5	84.0	164	150	83.5	17.8	51.2	5
6	28.9	35.1	30.3	8.56	42.7	36.7	88.9	128	188	38.0	80.1	50.3	6
7	80.4	88.7	28.5	12.3	38.0	28.7	80.7	138	189	28.2	48.1	48.8	7
8	88.9	37.2	30.4	0.851	45.6	31.6	27.8	114	161	26.5	42.6	48.2	8
9	85.1	34.2	18.8	0.851	42.8	30.6	30.0	78.4	88.8	17.0	44.6	45.0	9
10	48.8	40.1	30.4	7.22	48.4	28.2	48.8	78.4	78.5	48.2	87.8	38.3	10
11	84.6	38.3	17.8	24.2	47.9	40.0	103	78.9	100	76.6	18.8	42.4	11
12	81.8	32.7	13.6	28.6	48.0	52.4	88.0	104	141	103	17.2	45.6	12
13	80.7	31.0	14.8	27.6	80.7	80.3	74.4	75.5	87.4	73.8	48.0	40.7	13
14	89.8	28.7	24.7	18.1	47.3	84.8	81.5	78.0	85.8	47.7	48.4	48.2	14
15	87.8	81.5	27.4	8.88	44.7	88.4	83.5	81.2	78.8	48.6	43.6	46.0	15
16	83.8	31.5	30.0	8.88	45.6	86.9	88.3	114	82.8	88.1	80.1	43.8	16
17	87.5	28.4	18.0	17.2	87.8	87.1	84.6	248	82.2	88.4	87.4	43.8	17
18	81.6	30.6	18.2	31.8	48.6	48.6	84.4	334	84.4	48.0	46.3	88.4	18
19	47.4	28.6	18.1	34.0	81.6	82.3	118	305	78.6	47.6	81.3	85.7	19
20	81.0	24.7	47.6	82.2	86.3	84.2	88.2	285	78.3	80.1	82.8	86.7	20
21	84.6	31.6	85.0	38.6	22.3	83.0	101	261	70.7	33.4	45.8	48.7	21
22	86.3	28.2	30.3	16.7	20.7	86.6	107	231	78.1	26.2	86.6	81.7	22
23	86.1	27.0	34.1	16.7	26.7	82.2	88.0	178	86.4	82.1	44.9	46.6	23
24	48.1	26.1	12.6	30.6	16.6	38.6	84.7	161	86.6	88.6	46.6	38.3	24
25	87.6	26.7	22.3	34.0	23.1	37.3	80.6	188	86.1	46.2	48.7	36.1	25
26	83.4	30.2	11.1	41.1	26.1	82.3	83.1	161	72.6	86.7	44.8	47.3	26
27	80.3	34.1	12.1	37.6	26.2	86.7	84.4	140	81.1	85.2	48.6	48.1	27
28	82.6	28.2	26.8	36.6	22.1	81.8	86.2	143	83.6	20.7	46.2	46.3	28
29	82.8		18.0	22.1	41.8	46.0	87.6	148	46.2	32.8	41.3	88.6	29
30	70.8		15.9	20.2	30.4	82.8	88.0	144	37.4	43.8	44.4	43.6	30
31	80.6		10.0		36.2		84.4	140		36.7		43.1	31
TOTAL	1 872.9	988.4	782.3	615.762	1 182.0	1 483.6	2 336.2	4 731.5	2 705.8	1 806.1	1 300.0	1 483.9	TOTAL
MEAN	80.7	35.2	25.8	20.5	38.8	48.8	75.3	153	90.2	48.8	43.3	46.9	MEAN
MAX	70.8	83.2	88.0	83.2	87.8	82.8	118	334	188	103	87.8	88.7	MAX
MIN	21.4	24.2	10.0	0.851	18.8	28.2	27.8	83.4	37.4	17.0	17.2	36.1	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 58.6
MAXIMUM DAILY, 334 ON AUG 18
MINIMUM DAILY, 0.851 ON APR 8

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 54 45 N
LONG 115 21 50 W
DRAINAGE AREA, 5 880 km²

REGULATED SINCE 1960

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	136 000	JUL	202 000
FEB	85 200	AUG	408 000
MAR	88 500	SEP	234 000
APR	53 200	OCT	130 000
MAY	103 000	NOV	112 000
JUN	128 000	DEC	128 000

TOTAL DISCHARGE, 1 780 000 dam³

BRAZEAU RIVER BELOW CARDINAL RIVER - STATION NO. 05DD007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	23.3E	46.0	85.1	84.8	78.1	38.0	---	---	1
2	---	---	---	---	23.3A	81.4	88.8	87.7	78.8	33.7	---	---	2
3	---	---	---	---	24.2	88.6	83.7	103	74.6	32.8	---	---	3
4	---	---	---	---	27.8	84.7	81.2	101	88.7	32.2	---	---	4
5	---	---	---	---	31.0	88.0	81.1	90.3	88.8	33.0	---	---	5
6	---	---	---	---	40.8	102	47.7	82.8	87.8	32.3	---	---	6
7	---	---	---	---	48.1	88.4	48.3	78.2	88.8	31.1	---	---	7
8	---	---	---	---	48.3	87.3	85.8	82.4	78.1	28.4	---	---	8
9	---	---	---	---	84.1	88.0	70.8	78.8	73.7	28.4	---	---	9
10	---	---	---	---	87.8	88.8	83.4	77.0	87.7	31.7	---	---	10
11	---	---	---	---	81.2	102	123	88.4	82.3	33.8	---	---	11
12	---	---	---	---	38.8	100	107	85.0	88.7	31.4	---	---	12
13	---	---	---	---	33.0	112	85.2	82.8	87.8	28.8	---	---	13
14	---	---	---	---	30.8	108	86.8	81.0	88.3	26.1	---	---	14
15	---	---	---	---	28.6	110	87.0	70.3	84.2	27.8	---	---	15
16	---	---	---	---	31.3	108	108	171	87.0	27.3	---	---	16
17	---	---	---	---	31.8	86.0	87.8	283	88.7	27.1	---	---	17
18	---	---	---	---	30.4	81.6	87.8	178	88.1	27.4	---	---	18
19	---	---	---	---	29.0	74.6	81.8	177	81.8	28.6	---	---	19
20	---	---	---	---	28.3	87.8	78.7	166	48.6	27.8A	---	---	20
21	---	---	---	---	28.6	88.6	80.8	136	46.8	26.8E	---	---	21
22	---	---	---	---	23.6	88.1	78.6	123	44.6	25.8E	---	---	22
23	---	---	---	---	21.9	80.6	83.6	108	44.0	26.1E	---	---	23
24	---	---	---	---	21.8	88.6	86.3	86.8	43.8	24.1E	---	---	24
25	---	---	---	---	21.3	70.8	83.6	89.6	42.3A	23.3E	---	---	25
26	---	---	---	---	20.3	70.0	88.7	85.8	40.8A	23.7E	---	---	26
27	---	---	---	---	21.6	78.6	88.0	83.8	39.2	22.4A	---	---	27
28	---	---	---	---	21.0	70.8	81.6	77.7	37.8	22.6E	---	---	28
29	---		---	---	20.9	80.8	80.2	76.0	36.6	22.6E	---	---	29
30	---		---	---	22.8	81.4	80.6	81.1	37.1	22.6E	---	---	30
31	---		---		27.1		83.6	86.6		22.6E		---	31
TOTAL	---	---	---	---	858.9	2 404.1	2 291.3	3 180.2	1 897.6	857.8	---	---	TOTAL
MEAN	---	---	---	---	30.8	80.1	73.9	103	88.8	28.0	---	---	MEAN
MAX	---	---	---	---	87.8	112	123	283	78.1	38.0	---	---	MAX
MIN	---	---	---	---	20.3	46.0	47.7	81.0	36.6	22.4	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 81.8
MAXIMUM DAILY, 283 ON AUG 17
MINIMUM DAILY, 20.3 ON MAY 28
MAXIMUM INSTANTANEOUS,
452 AT 23:03 MST ON AUG 16

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 52 50 N
LONG 115 34 40 W
DRAINAGE AREA, 2 690 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	188 000
FEB	---	AUG	275 000
MAR	---	SEP	147 000
APR	---	OCT	75 000
MAY	82 700	NOV	---
JUN	208 000	DEC	---

TOTAL DISCHARGE, 868 000 dam³

BREWSTER CREEK NEAR BANFF - STATION NO. 05BB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.3708	1.88	3.70	1.40	2.08	0.800	0.4148	---	1
2	---	---	---	---	0.3678	2.48	2.82	1.43	2.04	0.772	0.4128	---	2
3	---	---	---	---	0.363	2.68	2.68	1.38	2.07	0.727	0.3878	---	3
4	---	---	---	---	0.400	3.87	2.62	1.35	1.88	0.898	0.4158	---	4
5	---	---	---	---	0.882	4.33	2.86	1.17	2.12	0.885	0.4078	---	5
6	---	---	---	---	1.28	5.11	2.84	1.08	2.30	0.878	0.4088	---	6
7	---	---	---	---	1.88	5.21	2.86	1.10	2.31	0.848	0.4098	---	7
8	---	---	---	---	2.14	5.82	2.87	1.12	2.26	0.828	---	---	8
9	---	---	---	---	2.38	6.37	2.37	1.34	2.12	0.805	---	---	9
10	---	---	---	---	2.48	6.18	2.25	1.82	2.01	0.819	---	---	10
11	---	---	---	---	2.53	5.81	2.38	1.38	1.90	0.818	---	---	11
12	---	---	---	---	2.03	6.30	2.38	1.20	1.78	0.821	---	---	12
13	---	---	---	---	1.70	6.86	2.81	1.18	1.86	0.808	---	---	13
14	---	---	---	---	1.43	7.31	2.88	1.14	1.86	0.883	---	---	14
15	---	---	---	---	1.32	7.88	2.80	1.08	1.48	0.844	---	---	15
16	---	---	---	---	1.38	8.02	3.82	1.48	1.41	0.812	---	---	16
17	---	---	---	---	1.45	8.62	3.24	1.84	1.38	0.810	---	---	17
18	---	---	---	---	1.38	4.38	2.77	2.08	1.32	0.488	---	---	18
19	---	---	---	---	1.23	3.88	2.84	2.80	1.24	0.801	---	---	19
20	---	---	---	---	1.07	3.22	2.88	3.24	1.18	0.488	---	---	20
21	---	---	---	---	0.977	2.73	2.87	2.78	1.11	0.484	---	---	21
22	---	---	---	---	0.888	2.58	2.30	2.82	1.08	0.478	---	---	22
23	---	---	---	---	0.888	2.58	2.03	2.71	1.02	0.477	---	---	23
24	---	---	---	---	0.848	2.72	1.81	2.84	0.887	0.488	---	---	24
25	---	---	---	---	0.778	2.71	1.78	2.37	0.881	0.471	---	---	25
26	---	---	---	---	0.747	2.93	1.88	2.08	0.822	0.483	---	---	26
27	---	---	---	---	0.761	4.08	1.84	1.88	0.888	0.462	---	---	27
28	---	---	---	---	0.704	3.33	1.82	2.17	0.874	0.436	---	---	28
29	---	---	---	---	0.836	2.83	1.83	2.40	0.832	0.4388	---	---	29
30	---	---	---	---	0.888	3.82	1.47	2.31	0.822	0.4218	---	---	30
31	---		---		0.863		1.44	2.20		0.4308		---	31
TOTAL	---	---	---	---	38.648	134.11	74.48	58.38	48.678	17.363	---	---	TOTAL
MEAN	---	---	---	---	1.18	4.47	2.40	1.82	1.82	0.880	---	---	MEAN
MAX	---	---	---	---	2.53	8.02	3.70	3.24	2.31	0.800	---	---	MAX
MIN	---	---	---	---	0.363	1.88	1.44	1.08	0.822	0.420	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.86
MAXIMUM DAILY, 8.02 ON JUN 18
MINIMUM DAILY, 0.363 ON MAY 3
MAXIMUM INSTANTANEOUS,
8.04 AT 04:18 MST ON JUN 18

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 08 55 N
LONG 115 38 55 W
DRAINAGE AREA, 109 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	8 440
FEB	---	AUG	4 870
MAR	---	SEP	3 940
APR	---	OCT	1 800
MAY	3 180	NOV	---
JUN	11 800	DEC	---

TOTAL DISCHARGE, 31 800 dam³

BROWN CREEK AT FORESTRY ROAD - STATION NO. 05BD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	3.78E	1.82	2.85	1.34	7.45	1.85	---	---	1
2	---	---	---	---	3.78E	1.72	2.35	2.73	7.80	1.54	---	---	2
3	---	---	---	---	3.78A	1.85	2.18	4.83	7.85	1.48	---	---	3
4	---	---	---	---	4.21	1.84	2.03	3.48	8.74	1.44	---	---	4
5	---	---	---	---	4.74	1.87	1.94	3.25	8.48	1.44	---	---	5
6	---	---	---	---	5.32	1.94	1.81	3.08	8.28	1.82	---	---	6
7	---	---	---	---	5.41	1.77	1.94	2.38	8.37	1.41	---	---	7
8	---	---	---	---	5.10	1.84	4.88	2.08	8.83	1.31	---	---	8
9	---	---	---	---	4.74	1.70	5.81	2.01	7.15	1.18	---	---	9
10	---	---	---	---	4.23	2.48	5.15	2.84	6.70	1.47	---	---	10
11	---	---	---	---	4.18	2.87	6.27	2.08	5.80	1.87	---	---	11
12	---	---	---	---	3.41	2.38	7.08	1.77	6.32	1.80	---	---	12
13	---	---	---	---	3.89	3.01	6.84	1.68	4.83	1.38	---	---	13
14	---	---	---	---	3.57	1.80	6.21	1.80	4.38	1.22 B	---	---	14
15	---	---	---	---	3.41	1.82	4.80	3.81	4.03	1.17 B	---	---	15
16	---	---	---	---	3.28	3.35	5.20	13.2	3.85	0.917B	---	---	16
17	---	---	---	---	3.37	4.55	4.37	22.4	4.42	1.07 B	---	---	17
18	---	---	---	---	3.41	3.45	3.78	21.6	4.37	1.30	---	---	18
19	---	---	---	---	3.38	3.18	3.28	14.7	4.08	1.48	---	---	19
20	---	---	---	---	3.85	3.05	2.95	11.1	3.74	1.33	---	---	20
21	---	---	---	---	3.81	2.80	2.74	8.83	3.35	1.37	---	---	21
22	---	---	---	---	3.33	2.88	2.53	7.84	2.82	1.18	---	---	22
23	---	---	---	---	2.08	2.80	2.14	8.47	2.88	1.08	---	---	23
24	---	---	---	---	1.84	2.71	2.14	8.42	2.53	1.08	---	---	24
25	---	---	---	---	1.82	2.80	1.85	8.38A	2.28	1.12	---	---	25
26	---	---	---	---	1.87	2.58	1.77	8.25E	2.08	1.08	---	---	26
27	---	---	---	---	1.88	4.72	1.88	8.28E	1.88	0.937A	---	---	27
28	---	---	---	---	1.81	3.90	1.87	8.40A	1.88	0.937E	---	---	28
29	---		---	---	1.80	3.38	1.88	8.40	1.74	0.937E	---	---	29
30	---		---	---	1.78	3.01	1.81	8.81	1.71	0.937E	---	---	30
31	---		---		1.80		1.44	7.83		0.937E		---	31
TOTAL	---	---	---	---	84.53	77.27	102.48	200.44	137.88	38.982	---	---	TOTAL
MEAN	---	---	---	---	3.05	2.58	3.31	6.47	4.80	1.28	---	---	MEAN
MAX	---	---	---	---	5.41	4.72	6.27	32.4	7.80	1.87	---	---	MAX
MIN	---	---	---	---	1.78	1.84	1.44	1.34	1.71	0.917	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.84
MAXIMUM DAILY, 32.4 ON AUG 17
MINIMUM DAILY, 0.8178 ON OCT 18
MAXIMUM INSTANTANEOUS,
45.1 AT 01:18 MST ON AUG 17

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 45 40 N
LONG 115 31 20 W
DRAINAGE AREA, 216 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	8 650
FEB	---	AUG	17 300
MAR	---	SEP	11 900
APR	---	OCT	3 370
MAY	8 170	NOV	---
JUN	8 880	DEC	---

TOTAL DISCHARGE, 58 300 dam³

BUCHANAN CREEK NEAR MANNING - STATION NO. 07HC003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.01	1.74	0.988E	0	0.024	0.881	0.107	---	---	1
2	---	---	0 B	0.780	1.53	0.007E	0.001	0.023	0.711	0.089A	---	---	2
3	---	---	0 B	0.598	1.26	0.006E	0.087	0.261	0.567	---	---	---	3
4	---	---	0 B	0.473	1.35	0.010E	0.077	0.130	0.470	---	---	---	4
5	---	---	0 B	0.283	0.857	0.020E	0.080	0.053	0.381	---	---	---	5
6	---	---	0 B	0.185	0.880	0.041E	0.086	0.038	0.348	---	---	---	6
7	---	---	0 B	0.0108	0.136	1.77	0.038E	0.048	0.023	0.278	---	---	7
8	---	---	0 B	0.1818	0.123	1.73	0.036E	0.033	0.016	0.238	---	---	8
9	---	---	0 B	0.8088	0.387	1.43	0.030E	0.015	0.012	0.209	---	---	9
10	---	---	0 B	2.28 B	0.189	1.14	0.028E	0.008	0.010	0.172	---	---	10
11	---	---	0 B	4.47 B	0.148	0.737	0.022E	0.008	0.013	0.207	---	---	11
12	---	---	0 B	3.88 B	0.140	0.518	0.018E	0.004	0.018	0.178	---	---	12
13	---	---	0 B	2.85 B	0.083	0.386	0.014E	0.008	0.015	0.836	---	---	13
14	---	---	0 B	2.27 B	0.088	0.323	0.010E	0.003	0.015	0.268	---	---	14
15	---	---	0 B	1.82 B	0.086	0.372	0.007E	0.002	0.014	0.080	---	---	15
16	---	---	0 B	1.33 B	0.085	0.216	0.005E	0.001	0.018	0.087	---	---	16
17	---	---	0 B	1.16 B	0.078	0.114	0.003E	0	0.032	0.083	---	---	17
18	---	---	0 B	1.03 B	0.133	0.072	0.002E	0	0.073	0.087	---	---	18
20	---	---	0 B	0.8828	0.181	0.081	0.001E	0	0.080	0.080	---	---	19
	---	---	0 B	1.08 B	0.384	0.044A	0.001E	0	0.088	0.082	---	---	20
21	---	---	0 B	1.14 B	0.847	0.037E	0 E	0.001	0.082	0.080	---	---	21
22	---	---	0 B	1.85	0.862	0.031E	0 E	0.002	0.081	0.082	---	---	22
23	---	---	0 B	1.53	1.53	0.026E	0 E	0.005	0.088	0.186	---	---	23
24	---	---	0 B	1.45	2.37	0.022E	0 E	0.004	0.072	0.105	---	---	24
25	---	---	0 B	1.41	2.70	0.018E	0 E	0.118	0.048	0.084	---	---	25
26	---	---	0 B	1.33	2.04	0.013E	0 E	0.109	0.083	0.084	---	---	26
27	---	---	0 B	1.33	8.10	0.008E	0 A	0.075	0.084	0.110	---	---	27
28	---	---	0 B	1.30	4.45	0.007E	0	0.049	0.084	0.109	---	---	28
29	---		0 B	1.23	3.19	0.005E	0	0.043	0.088	0.113	---	---	29
30	---		0 B	1.08	2.55	0.004E	0	0.038	0.214	0.0898	---	---	30
31	---		0 B		2.06		0	0.028		0.0808		---	31
TOTAL	---	---	0	37.181	38.889	18.747	0.305	0.887	1.787	7.048	---	---	TOTAL
MEAN	---	---	0	1.26	1.18	0.880	0.010	0.029	0.088	0.227	---	---	MEAN
MAX	---	---	0	4.47	8.10	1.77	0.041	0.118	0.281	0.881	---	---	MAX
MIN	---	---	0	0	0.085	0.004	0	0	0.010	0.087	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.412
MAXIMUM DAILY, 8.10 ON MAY 27
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
13.2 AT 13:30 MST ON MAY 27

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 69 53 42 N
LONG 117 29 16 W
DRAINAGE AREA, 232 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	28.4
FEB	---	AUG	76.8
MAR	0	SEP	183
APR	3 210	OCT	609
MAY	3 300	NOV	---
JUN	1 450	DEC	---

TOTAL DISCHARGE, 8 730 dam³

BUFFALO CREEK AT HIGHWAY NO. 41 - STATION NO. 05FE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.8408	0.431	0.376	0.251	0.0708	0.117	0.080	---	---	1
2	---	---	0 B	0.7158	0.381	0.404	0.228	0.0788	0.123	0.088	---	---	2
3	---	---	0 B	0.6388	0.388	0.404	0.213	0.080A	0.128	0.087	---	---	3
4	---	---	0 B	0.6538	0.338	0.370	0.218	0.202	0.148	0.112	---	---	4
5	---	---	0 B	0.6088	0.239	0.338	0.184	0.342	0.181	0.088	---	---	5
6	---	---	0 B	0.7288	0.278	0.315	0.197	0.382	0.288	0.104	---	---	6
7	---	---	0 B	1.45 B	0.288	0.283	0.185	0.378	0.310	0.110	---	---	7
8	---	---	0 B	1.32	0.288	0.286	0.183	0.288	0.284	0.100	---	---	8
9	---	---	0 B	1.12	0.227	0.343	0.087	0.241	0.288	0.102	---	---	9
10	---	---	0 B	0.840	0.208	0.403	0.082	0.188	0.238	0.103	---	---	10
11	---	---	0 B	0.800	0.181	0.388	0.248	0.173	0.188	0.108	---	---	11
12	---	---	0 B	0.742	0.195	0.347	0.484	0.158	0.197	0.130	---	---	12
13	---	---	0 B	0.788	0.153	0.304	0.834	0.135	0.147	0.122	---	---	13
14	---	---	0 B	0.785	0.143	0.288	0.823	0.118	0.133	0.128	---	---	14
15	---	---	0 B	0.740	0.181	0.284	0.440	0.102	0.118	0.128	---	---	15
16	---	---	0 B	0.688	0.158	0.260	0.212	0.112	0.108	0.127	---	---	16
17	---	---	0 B	0.602	0.157	0.258	0.186	0.123	0.104	0.127	---	---	17
18	---	---	0 B	0.281	0.158	0.255	0.084	0.113	0.101	0.126	---	---	18
19	---	---	0 B	0.380	0.244	0.230	0.100	0.108	0.109	0.128	---	---	19
20	---	---	0 B	0.382	0.328	0.218	0.109	0.089	0.097	0.128	---	---	20
21	---	0B	0 B	0.394	0.294	0.188	0.103	0.087	0.093	0.127	---	---	21
22	---	0B	0 B	0.382	0.281	0.187	0.128	0.084	0.093	0.127	---	---	22
23	---	0B	0 B	0.374	0.248	0.172	0.107	0.078	0.088	0.122	---	---	23
24	---	0B	0.0018	0.368	0.245	0.231	0.082	0.083	0.088	0.123	---	---	24
25	---	0B	0.0028	0.365	0.238	0.255	0.083	0.084	0.089	0.130	---	---	25
26	---	0B	0 B	0.451	0.233	0.263	0.088	0.085	0.081	0.136	---	---	26
27	---	0B	0 B	0.411	0.226	0.277	0.088	0.093	0.073	0.139	---	---	27
28	---	0B	0.0018	0.482	0.278	0.365	0.078E	0.082	0.071	0.182	---	---	28
29	---		0.0028	0.481	0.328	0.320	0.074E	0.088	0.071	0.187	---	---	29
30	---		0.0388	0.494	0.331	0.281	0.072E	0.104	0.072	0.185A	---	---	30
31	---		0.4108		0.338		0.071E	0.108		0.1808		---	31
TOTAL	---	---	0.455	19.001	7.889	8.902	5.721	4.823	4.084	3.892	---	---	TOTAL
MEAN	---	---	0.015	0.633	0.254	0.297	0.185	0.146	0.136	0.126	---	---	MEAN
MAX	---	---	0.410	1.45	0.431	0.404	0.823	0.382	0.310	0.187	---	---	MAX
MIN	---	---	0	0.281	0.143	0.172	0.082	0.070	0.088	0.080	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.222
MAXIMUM DAILY, 1.458 ON APR 7
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 00 28 N
LONG 110 51 57 W
DRAINAGE AREA, 714 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	484
FEB	---	AUG	381
MAR	39.3	SEP	364
APR	1 640	OCT	338
MAY	882	NOV	---
JUN	788	DEC	---

TOTAL DISCHARGE, 4 710 dam³

BUFFALO LAKE NEAR ERSKINE - STATION NO. 05CD005

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	778.887	778.883	---	---	---	1
2	---	---	---	---	778.884	---	---	778.887	---	778.787	---	---	2
3	---	---	---	---	---	---	---	778.884	778.888	778.807	778.788	---	3
4	---	---	---	---	---	---	---	778.881	778.888	778.807	778.785	---	4
5	---	---	---	---	778.882	---	---	778.882	778.878	---	---	---	5
6	---	---	---	---	---	---	---	---	778.877	---	---	---	6
7	---	---	---	---	---	---	---	778.881	778.871	778.788	---	---	7
8	---	---	---	---	---	---	---	778.881	778.882	---	---	---	8
9	---	---	---	778.836	---	---	---	---	778.882	778.786	---	---	9
10	---	---	---	---	778.881	---	---	778.881	778.884	---	---	---	10
11	---	---	---	778.835	---	---	778.875	778.881	---	778.785	---	---	11
12	---	---	---	778.836	778.884	---	778.873	778.880	778.881	778.788	---	---	12
13	---	---	---	---	---	778.840	---	778.878	778.880	---	---	---	13
14	---	---	---	---	---	---	---	778.875	778.848	---	---	---	14
15	---	---	---	---	778.907	---	---	778.883	778.840	778.808	---	---	15
16	---	---	---	778.837	778.902	---	778.867	778.878	---	778.808	---	---	16
17	---	---	---	---	---	---	---	---	778.838	778.781	---	---	17
18	---	---	---	---	778.920	---	---	778.878	---	778.786	---	---	18
19	---	---	---	---	---	---	778.855	778.881	778.838	778.788	---	---	19
20	---	---	---	778.839	778.951	---	778.849	778.885	778.838	778.783	---	---	20
21	---	---	778.818	---	---	---	778.880	---	778.838	778.784	---	---	21
22	---	778.832	---	---	---	---	---	778.877	778.838	778.784	---	---	22
23	---	---	---	778.841	778.957	---	778.840	778.872	---	778.783	---	---	23
24	---	---	---	---	---	---	---	778.888	778.827	778.803	---	---	24
25	---	---	---	---	778.975	---	778.825	778.885	778.827	778.800	---	---	25
26	---	---	---	778.844	---	---	---	---	778.827	778.802	---	---	26
27	---	---	---	---	778.981	---	778.814	778.885	778.838	778.813	---	---	27
28	---	---	---	---	---	---	---	778.883	778.817	778.817	---	---	28
29	---	---	---	---	780.035	---	778.812	---	---	778.805	---	---	29
30	---	---	---	778.885	---	---	778.811	778.885	---	778.817	---	---	30
31	---	---	---	---	---	---	778.804	778.884	---	778.801	---	---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 27 53 N
LONG 113 53 57 W

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DRAINAGE AREA, 1 570 km²

BULLPOUND CREEK NEAR THE MOUTH - STATION NO. 05CE003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0015	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0 B	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0 B	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0 B	0	0	0	0	0.025	0	---	---	4
5	---	---	0 B	0.0015	0	0	0	0	0.081	0	---	---	5
6	---	---	0 B	0.0015	0	0	0	0	0.013	0	---	---	6
7	---	---	0 B	0.0015	0	0	0	0	0.004	0	---	---	7
8	---	---	0 B	0.0015	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0.0015	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0.0015	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0.0015	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0.0015	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0.001	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0.001	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0.001	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0	0	0	0	0	0	0	---	---	23
24	---	0B	0 B	0	0	0	0	0	0	0	---	---	24
25	---	0B	0 B	0	0	0	0	0	0	0	---	---	25
26	---	0B	0 B	0	0	0	0	0	0	0	---	---	26
27	---	0B	0.0015	0	0	0	0	0	0	0	---	---	27
28	---	0B	0.0028	0	0	0	0	0	0	0	---	---	28
29	---		0 B	0	0	0	0	0	0	0	---	---	29
30	---		0.0028	0	0	0	0	0	0	0	---	---	30
31	---		0.0015		0		0	0		0		---	31
TOTAL	---	---	0.008	0.012	0	0	0	0	0.103	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0.003	0	---	---	MEAN
MAX	---	---	0.002	0.001	0	0	0	0	0.081	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.081 ON SEP 5
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.088 AT 01:20 MST ON SEP 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 05 54 N
LONG 111 55 54 W
DRAINAGE AREA, 1 470 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0.53	SEP	6.90
APR	1.04	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 10.5 dam³

BULLPOUND CREEK NEAR WATTS - STATION NO. 05CG004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR		APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	B	0.0188	0.001	0	0	0	0	0	---	---	1
2	---	---	0	B	0.0188	0.001	0	0	0	0	0	---	---	2
3	---	---	0	B	0.052	0	0	0	0	0	0	---	---	3
4	---	---	0	B	0.254	0	0	0	0	0	0	---	---	4
5	---	---	0	B	0.327	0	0	0	0	0	0	---	---	5
6	---	---	0	B	0.380	0	0	0	0	0	0	---	---	6
7	---	---	0	B	0.367	0	0	0	0	0	0	---	---	7
8	---	---	0	B	0.348	0	0	0	0	0	0	---	---	8
9	---	---	0	B	0.286	0	0	0	0	0	0	---	---	9
10	---	---	0	B	0.237	0	0	0	0	0	0	---	---	10
11	---	---	0	B	0.185	0	0	0	0	0	0	---	---	11
12	---	---	0	B	0.144	0	0	0	0	0	0	---	---	12
13	---	---	0	B	0.105	0	0	0	0	0	0	---	---	13
14	---	---	0	B	0.084	0	0	0	0	0	0	---	---	14
15	---	---	0	B	0.098	0	0	0	0	0	0	---	---	15
16	---	---	0	B	0.052	0	0	0	0	0	0	---	---	16
17	---	---	0	B	0.050	0	0	0	0	0	0	---	---	17
18	---	---	0	B	0.039	0	0	0	0	0	0	---	---	18
19	---	---	0	B	0.028	0	0	0	0	0	0	---	---	19
20	---	---	0	B	0.023	0	0	0	0	0	0	---	---	20
21	---	---	0	B	0.017	0	0	0	0	0	0	---	---	21
22	---	0B	0	B	0.014	0	0	0	0	0	0	---	---	22
23	---	0B	0	B	0.012	0	0	0	0	0	0	---	---	23
24	---	0B	0	B	0.010	0	0	0	0	0	0	---	---	24
25	---	0B	0	B	0.008	0	0	0	0	0	0	---	---	25
26	---	0B	0	B	0.007	0	0	0	0	0	0	---	---	26
27	---	0B	0	B	0.006	0	0	0	0	0	0	---	---	27
28	---	0B	0	B	0.005	0	0	0	0	0	0	---	---	28
29	---		0	B	0.003	0	0	0	0	0	0	---	---	29
30	---		0	B	0.002	0	0	0	0	0	0A	---	---	30
31	---		0.0058			0		0	0		0E		---	31
TOTAL	---	---	0.005		3.126	0.002	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0		0.104	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.005		0.387	0.001	0	0	0	0	0	---	---	MAX
MIN	---	---	0		0.002	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.013
MAXIMUM DAILY, 0.387 ON APR 7
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.394 AT 20:44 MST ON APR 7

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 39 43 N
LONG 112 08 00 W
DRAINAGE AREA, 187 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0.43	SEP	0
APR	270	OCT	0
MAY	0.17	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 271 dam³

CADOTTE RIVER AT OUTLET CADOTTE LAKE - STATION NO. 07HB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.304A	0.220E	2.18E	1.48	0.190E	0.018	0.213	0.825	0.880E	---	1
2	---	---	0.260E	0.230E	2.35E	1.28 A	0.200E	0.023	0.318	0.881	0.850E	---	2
3	---	---	0.260E	0.230E	2.60E	1.10 E	0.220E	0.031	0.380	0.881	0.880A	---	3
4	---	---	0.240E	0.228E	2.75A	1.00 E	0.230E	0.034	0.180	0.738	---	---	4
5	---	---	0.230E	0.220E	2.68	0.940E	0.250E	0.048	0.121	0.883	---	---	5
6	---	---	0.228E	0.218A	2.83	1.10 E	0.230E	0.034	0.108	0.888	---	---	6
7	---	---	0.230E	0.240E	3.00	1.28 E	0.210E	0.033	0.038	0.846	---	---	7
8	---	---	0.220E	0.260E	2.98	1.23 E	0.190E	0.032	0.033	0.782	---	---	8
9	---	---	0.220E	0.300E	2.90	1.14 E	0.180E	0.031	0.032	0.832	---	---	9
10	---	---	0.220E	0.350E	2.88	1.05 E	0.170E	0.028	0.034	0.814	---	---	10
11	---	---	0.230E	0.360E	2.98	0.870E	0.155E	0.027	0.032	0.844	---	---	11
12	---	---	0.238E	0.400E	2.98	0.900E	0.145E	0.027	0.031	0.840	---	---	12
13	---	---	0.240E	0.400A	2.47	0.820E	0.135E	0.026	0.031	1.04	---	---	13
14	---	---	0.240E	0.481	2.34	0.770E	0.128E	0.025	0.030	1.06 E	---	---	14
15	---	---	0.240E	0.641	2.20	0.740E	0.120E	0.024	0.030	1.00 E	---	---	15
16	---	---	0.238E	0.587	2.02	0.710E	0.116E	0.024	0.031	0.880E	---	---	16
17	---	---	0.225E	0.580	1.88	0.670E	0.110E	0.025	0.034	0.810E	---	---	17
18	---	---	0.225E	0.634	1.70	0.710E	0.108E	0.028	0.037	0.830E	---	---	18
19	---	---	0.225E	0.711	1.55	0.740E	0.103E	0.028	0.031	0.780E	---	---	19
20	---	---	0.225E	0.788	2.40	0.720E	0.100A	0.025	0.034	0.890E	---	---	20
21	---	---	0.230E	0.852	2.58	0.680E	0.080E	0.024	0.039	0.930E	---	---	21
22	---	---	0.230E	0.881	2.67	0.600E	0.070E	0.026	0.078	0.810E	---	---	22
23	---	---	0.231A	1.05	2.67	0.532A	0.060E	0.084	0.032	0.800E	---	---	23
24	---	---	0.230E	1.10 A	2.30	0.500E	0.050E	0.182	0.035	0.860E	---	---	24
25	---	---	0.220E	1.20 A	2.08	0.480E	0.044E	0.180	0.041	0.880E	---	---	25
26	---	---	0.220E	1.23 A	2.08	0.350E	0.030E	0.135	0.033	0.900E	---	---	26
27	---	---	0.215E	1.32 A	2.15	0.250E	0.025E	0.128	0.031	0.890E	---	---	27
28	---	---	0.210E	1.55 E	2.11	0.220E	0.020A	0.107	0.032	0.880E	---	---	28
29	---		0.200E	1.74 E	1.88	0.220E	0.018	0.258	0.068	0.880E	---	---	29
30	---		0.200E	1.90 E	1.81	0.210E	0.020	0.274	0.480	0.880E	---	---	30
31	---		0.210E		1.89		0.020	0.258		0.880E		---	31
TOTAL	---	---	7.135	20.898	72.48	23.312	3.724	2.299	2.905	28.083	---	---	TOTAL
MEAN	---	---	0.230	0.697	2.34	0.777	0.120	0.074	0.097	0.906	---	---	MEAN
MAX	---	---	0.304	1.90	3.00	1.48	0.250	0.274	0.480	1.06	---	---	MAX
MIN	---	---	0.200	0.218	1.55	0.210	0.018	0.018	0.030	0.738	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.555
MAXIMUM DAILY, 3.00 ON MAY 7
MINIMUM DAILY, 0.018 ON AUG 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 29 12 N
LONG 118 36 56 W
DRAINAGE AREA, 851 km²
A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	322
FEB	---	AUG	188
MAR	618	SEP	225
APR	1 810	OCT	2 430
MAY	6 280	NOV	---
JUN	2 010	DEC	---

TOTAL DISCHARGE, 13 900 dam³

CALLING LAKE AT RANGER STATION - STATION NO. 07CB001

DAILY WATER LEVEL IN METRES FOR 1969

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	593.857	593.848	594.020	594.064	594.023	593.927	---	---	1
2	---	---	---	---	593.857	593.848	594.028	594.064	594.023	593.932	---	---	2
3	---	---	---	---	593.857	593.847	594.024	594.064	594.018	593.917	---	---	3
4	---	---	---	---	593.862	593.858	594.044	594.074	594.013	593.917	---	---	4
5	---	---	---	---	593.877	593.868	594.034	594.064	594.023	593.917	---	---	5
6	---	---	---	---	593.872	593.868	594.034	594.064	594.013	593.912	593.852	---	6
7	---	---	---	---	593.877	593.878	594.034	594.064	594.008	593.912	---	---	7
8	---	---	---	---	593.877	593.868	594.039	594.068	594.003	593.912	---	---	8
9	---	---	---	---	593.877	593.868	594.039	594.063	594.003	593.907	---	---	9
10	---	---	---	---	593.868	593.868	594.039	594.063	593.963	593.907	---	---	10
11	---	---	---	---	593.868	594.000	594.034	594.063	593.883	593.902	---	---	11
12	---	---	---	---	593.861	594.008	594.034	594.043	593.883	593.902	---	---	12
13	---	---	---	---	593.868	594.008	594.034	594.033	593.883	593.882	---	---	13
14	---	---	---	---	593.861	594.010	594.034	594.033	593.882	593.882	---	---	14
15	---	---	---	---	593.861	594.008	594.034	594.033	593.882	593.882	---	---	15
16	---	---	---	---	593.868	594.010	594.034	594.028	593.872	593.887	---	---	16
17	---	---	---	---	593.868	594.013	594.039	594.023	593.872	593.882	---	---	17
18	---	---	---	---	593.868	594.017	594.038	594.028	593.882	593.882	---	---	18
19	---	---	---	---	593.868	594.015	594.034	594.023	593.882	593.872	---	---	19
20	---	593.883	---	---	593.868	594.010	594.044	594.017	593.882	593.882	---	---	20
21	---	---	---	---	593.811	594.020	594.044	594.013	593.882	593.872	---	---	21
22	---	---	---	---	593.821	594.020	594.044	594.013	593.842	593.872	---	---	22
23	---	---	---	---	593.831	594.025	594.054	594.023	593.842	593.882	---	---	23
24	---	---	---	---	593.838	594.030	594.054	594.058	593.842	593.882	---	---	24
25	---	---	---	---	593.838	594.025	594.039	594.068	593.842	593.882	---	---	25
26	---	---	---	---	593.838	594.020	594.034	594.068	593.837	593.872	---	---	26
27	---	---	---	---	593.838	594.020	594.028	594.068	593.837	593.863	---	---	27
28	---	---	---	---	593.835	594.015	594.028	594.038	593.832	593.862	---	---	28
29	---		---	---	593.830	594.005	594.029	594.043	593.832	593.863	---	---	29
30	---		---	---	593.826	594.015	594.028	594.028	593.832	593.862	---	---	30
31	---		---		593.835		594.034	594.028		593.862		---	31
MEAN	---	---	---	---	593.863	593.888	594.038	594.043	593.878	593.887	---	---	MEAN
MAX	---	---	---	---	593.838	594.030	594.054	594.074	594.023	593.932	---	---	MAX
MIN	---	---	---	---	593.857	593.848	594.020	594.013	593.832	593.862	---	---	MIN

SUMMARY FOR THE YEAR 1969

WATER LEVELS IN METRES

MAXIMUM DAILY, 594.074 ON AUG 4

TYPE OF GAUGE - MANUAL
LOCATION - LAT 56 13 35 N
LONG 113 12 06 W

NATURAL FLOW

DRAINAGE AREA, 1 220 km²

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

CANADIAN ST. MARY CANAL ABOVE RAYMOND CHUTE - STATION NO. 05AF032

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1969

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0 E	83.0	18.5	73.8	78.1	18.8	19.1	0A	---	1
2	---	---	---	0 E	83.4	18.5	74.0	78.2	18.8	19.1	---	---	2
3	---	---	---	0 A	83.7	18.8	77.8	78.4	18.8	19.1	---	---	3
4	---	---	---	4.03A	83.8	18.8	80.4	78.4	18.8	19.1	---	---	4
5	---	---	---	12.7 A	83.0	18.8	80.2	78.4	18.8	22.8	---	---	5
6	---	---	---	20.8 A	83.1	28.0	80.0	78.8	13.7	26.7	---	---	6
7	---	---	---	18.1 E	83.4	31.7	80.0	78.4	13.4	28.8	---	---	7
8	---	---	---	17.8 E	83.8	36.8	78.8	78.4	13.3	27.0	---	---	8
9	---	---	---	18.4 E	83.8	42.4	78.8	78.4	13.2	21.5	---	---	9
10	---	---	---	18.0 A	82.5	48.0	78.8	78.4	13.1	9.82	---	---	10
11	---	---	---	14.9	87.3	44.4	78.8	78.4	12.9	3.18	---	---	11
12	---	---	---	17.2	88.0	43.4	78.8	78.4	12.8	2.28	---	---	12
13	---	---	---	23.5	88.2	43.1	78.3	78.4	12.8	1.80	---	---	13
14	---	---	---	31.2	88.4	42.8	78.8	78.1	12.7	1.64	---	---	14
15	---	---	---	40.8	88.4	43.0	78.8	78.8	12.8	1.22	---	---	15
16	---	---	---	48.8	88.4	46.2	78.3	78.8	12.8	0.838	---	---	16
17	---	---	---	52.3	88.8	47.8	78.4	78.8	12.8	0.684	---	---	17
18	---	---	---	56.8	88.2	47.8	78.1	78.7	12.4	0.380	---	---	18
19	---	---	---	59.4	84.2	50.8	78.8	78.7	12.2	0.137	---	---	19
20	---	---	---	80.0 A	46.8	53.8	78.2	78.7	12.2	0.018	---	---	20
21	---	---	---	80.4 A	41.7	88.2	78.3	78.4	12.0	0	---	---	21
22	---	---	---	81.2	41.8	83.2	78.4	78.3	11.8	0	---	---	22
23	---	---	---	81.8	43.8	86.7	78.8	78.8	11.7	0	---	---	23
24	---	---	---	82.3	81.2	87.8	78.8	82.8	11.7	0	---	---	24
25	---	---	---	82.7	84.8	87.7	78.8	87.2	11.8	0	---	---	25
26	---	---	---	82.8	84.8	87.8	78.8	48.8	11.3	0	---	---	26
27	---	---	---	83.0	84.8	88.0	78.8	47.8	13.8	0	---	---	27
28	---	---	---	83.1	43.8	88.1	78.1	41.3	18.8	0	---	---	28
29	---		---	83.3	28.8	88.2	78.2	28.8	18.1	0	---	---	29
30	---		---	83.8	18.7	88.8	78.2	22.4	18.1	0	---	---	30
31	---		0A		18.8		78.2	17.3		0		---	31
TOTAL	---	---	---	1 134.03	1 838.8	1 400.8	2 388.8	2 071.2	418.2	233.118	---	---	TOTAL
MEAN	---	---	---	37.8	82.8	46.7	77.1	86.8	13.8	7.20	---	---	MEAN
MAX	---	---	---	83.8	83.7	88.8	80.4	78.8	18.1	27.8	---	---	MAX
MIN	---	---	---	0	18.7	18.8	73.8	17.3	11.3	0	---	---	MIN

SUMMARY FOR THE MONTHS APR TO NOV

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 80.4 ON JUL 4
MINIMUM DAILY, 0E ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 24 18 N
LONG 112 37 07 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	208 000
FEB	---	AUG	178 000
MAR	---	SEP	35 900
APR	86 000	OCT	19 300
MAY	141 000	NOV	---
JUN	121 000	DEC	---

REMARKS - REPLACES STATION 05AF026 CANADIAN ST. MARY CANAL AT DROP NO. 1

CANADIAN ST. MARY CANAL NEAR SPRING COULEE - STATION NO. 05AE039

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	83.0	23.2	75.4	79.4	19.8	33.2	0A	---	1
2	---	---	---	0	84.5	22.9	75.4	78.8	19.7	33.2	0E	---	2
3	---	---	---	0	84.1	22.8	75.7	78.3	19.8	31.8	0E	---	3
4	---	---	---	0	84.2	22.8	80.4	78.1	19.8	29.0	0E	---	4
5	---	---	---	2.36	86.2	22.8	82.7	77.0	19.7	29.1	0E	---	5
6	---	---	---	8.57	83.3	28.3	82.2	77.1	10.2	29.1	0E	---	6
7	---	---	---	8.81A	83.6	35.7	83.3	78.8	6.13	28.0	0E	---	7
8	---	---	---	10.3 E	85.0	42.1	83.7	78.3	3.01	28.9	0E	---	8
9	---	---	---	10.2 E	85.6	49.8	83.8	74.6	3.06	28.7	0E	---	9
10	---	---	---	15.8 A	84.5	50.8	83.7	71.8	3.07	17.4	0E	---	10
11	---	---	---	23.7	85.5	41.4	82.8	71.5	3.08	2.14	0E	---	11
12	---	---	---	36.2	80.4	41.1	85.2	71.5	2.93	2.04	0E	---	12
13	---	---	---	49.8	88.5	38.8	83.4	71.7	0.167	1.98	0E	---	13
14	---	---	---	63.2	88.4	40.0	77.7	71.7	0.024	0.047	0E	---	14
15	---	---	---	67.8	84.4	40.2	78.0	71.7	0.001	0.013	0E	---	15
16	---	---	---	67.2	67.2	40.6	77.7	71.8	0	0.004	0E	---	16
17	---	---	---	73.3	67.8	40.7	77.4	72.6	0	0	0E	---	17
18	---	---	---	83.0	88.8	41.0	77.6	72.6	0	0	0E	---	18
19	---	---	---	84.4	88.2	43.4	78.8	72.6	0	0	0E	---	19
20	---	---	---	83.6	83.0	47.8	80.3	72.0	0	0	0E	---	20
21	---	---	---	82.7	83.6	88.1	80.2	71.6	0	0	0E	---	21
22	---	---	---	82.7	83.6	88.0	80.4	71.5	0	0	0E	---	22
23	---	---	---	82.6	80.1	72.9	80.4	87.5	0	0	0E	---	23
24	---	---	---	83.4	84.4	73.1	80.4	88.1	0	0	0E	---	24
25	---	---	---	80.1	84.9	73.2	80.9	83.7	0	0	0E	---	25
26	---	---	---	77.6	85.3	73.6	80.3	83.0	0	0	0E	---	26
27	---	---	---	77.6	85.6	73.6	78.3	81.9	0	0	0E	---	27
28	---	---	---	82.3	80.4	73.6	77.6	42.1	0.00	0	0E	---	28
29	---		---	83.7	32.4	72.0	77.9	27.7	29.3	0	0E	---	29
30	---		---	83.4	23.0	73.8	77.7	30.8	33.2	0	0E	---	30
31	---		0A		23.1		78.2	20.3		0		---	31
TOTAL	---	---	---	1 800.36	2 068.2	1 444.9	2 478.8	2 026.0	188.752	286.804	0	---	TOTAL
MEAN	---	---	---	60.0	66.7	48.2	80.0	65.4	6.83	9.51	0	---	MEAN
MAX	---	---	---	84.4	88.2	73.8	85.2	78.4	33.2	33.2	0	---	MAX
MIN	---	---	---	0	23.0	22.8	75.4	20.3	0	0	0	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 41.0
MAXIMUM DAILY, 88.2 ON MAY 5
MINIMUM DAILY, 0 ON APR 1

SUMMARY FOR THE MONTHS APR TO NOV

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 20 39 N
LONG 113 02 38 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	214 000
FEB	---	AUG	178 000
MAR	---	SEP	17 200
APR	130 000	OCT	25 800
MAY	179 000	NOV	0
JUN	135 000	DEC	---

TOTAL DISCHARGE, 855 000 dam³

CARDINAL RIVER NEAR THE MOUTH - STATION NO. 05DD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	8.18E	8.20	7.71	8.13	15.9	7.30E	---	---	1
2	---	---	---	---	8.18E	8.78	8.98	9.11	15.0	8.74E	---	---	2
3	---	---	---	---	8.19A	7.04	8.86	17.1	14.0	8.58E	---	---	3
4	---	---	---	---	8.19	7.98	8.44	18.3	13.1	8.44E	---	---	4
5	---	---	---	---	8.85	8.25	8.24	12.8	13.1	8.40E	---	---	5
6	---	---	---	---	9.80	8.86	8.83	10.6	13.7	8.48E	---	---	6
7	---	---	---	---	10.2	7.98	8.05	9.17	14.7	8.22E	---	---	7
8	---	---	---	---	10.0	7.26	10.9	12.0	15.2	8.68E	---	---	8
9	---	---	---	---	9.61	7.38	13.1	9.67	17.5	8.68E	---	---	9
10	---	---	---	---	9.38	8.33	17.0	8.84	15.0	8.34E	---	---	10
11	---	---	---	---	8.37	11.3	26.6	8.83	13.2	8.70E	---	---	11
12	---	---	---	---	8.37	8.12	18.8	8.32	13.0	8.28E	---	---	12
13	---	---	---	---	8.41	8.76	14.7	7.88	11.8	8.68E	---	---	13
14	---	---	---	---	8.07	8.70	15.8	7.85	10.8	8.82E	---	---	14
15	---	---	---	---	4.78	7.89	13.9	8.82	10.6	8.82E	---	---	15
16	---	---	---	---	4.87	10.4	13.6	37.6	11.8	8.48E	---	---	16
17	---	---	---	---	4.88	10.2	11.8	74.7	13.0	8.42E	---	---	17
18	---	---	---	---	4.90	8.80	10.8	36.1	11.8	8.48E	---	---	18
19	---	---	---	---	5.00	7.88	9.58	31.4	11.1	8.72E	---	---	19
20	---	---	---	---	4.78	7.18	9.00	29.7	10.7	8.62E	---	---	20
21	---	---	---	---	5.33	8.85	8.58	33.2	9.94	8.33E	---	---	21
22	---	---	---	---	4.62	6.88	8.22	21.0	8.47	8.18E	---	---	22
23	---	---	---	---	4.32	7.38	7.67	16.5	8.67	8.02E	---	---	23
24	---	---	---	---	4.24	8.08	8.07	16.4	8.84	4.82E	---	---	24
25	---	---	---	---	4.36	8.85	7.80	15.5	8.68	4.88E	---	---	25
26	---	---	---	---	4.33	7.72	8.85	15.8	8.00A	4.84E	---	---	26
27	---	---	---	---	4.85	11.0	8.82	15.8	7.84E	4.23E	---	---	27
28	---	---	---	---	4.83	8.46	8.67	14.1	7.58E	3.81A	---	---	28
29	---		---	---	4.76	8.04	8.48	14.6	7.38E	3.81E	---	---	29
30	---		---	---	4.88	7.78	8.34	15.8	7.42E	3.81E	---	---	30
31	---		---		8.30		8.38	18.0		3.81E	---	---	31
TOTAL	---	---	---	---	186.47	264.13	311.89	550.10	351.91	171.03	---	---	TOTAL
MEAN	---	---	---	---	6.02	8.67	10.1	17.7	11.7	5.52	---	---	MEAN
MAX	---	---	---	---	10.2	11.3	26.6	74.7	15.2	7.30	---	---	MAX
MIN	---	---	---	---	4.23	6.86	6.83	6.13	7.36	3.81	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 9.92
MAXIMUM DAILY, 74.7 ON AUG 17
MINIMUM DAILY, 3.81A ON OCT 26
MAXIMUM INSTANTANEOUS,
148 AT 23:45 MST ON AUG 18

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 52 04 N
LONG 116 35 43 W
DRAINAGE AREA, 495 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	38 900
FEB	---	AUG	47 600
MAR	---	SEP	30 600
APR	---	OCT	14 800
MAY	18 100	NOV	---
JUN	23 000	DEC	---

TOTAL DISCHARGE, 168 000 dam³

CASCADE POWER DIVERSION NEAR BANFF - STATION NO. 05BD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.12	12.8	12.5	15.8	12.8	7.05	0.340	0.340	0.340	5.49	9.81	11.8	1
2	2.69	14.2	15.7	15.0	14.6	8.44	0.340	0.340	0.340	8.15	7.16	8.27	2
3	3.48	14.6	13.4	18.5	15.1	0.340	0.340	0.340	0.851	8.86	8.82	8.16	3
4	5.60	14.5	5.01	17.8	12.1	0.340	0.340	0.340	1.80	10.3	4.88	14.1	4
5	4.30	14.7	4.19	19.0	14.0	0.340	0.340	0.340	1.13	10.2	2.94	15.5	5
6	2.83	14.2	10.7	18.2	8.58	0.340	0.340	0.340	0.340	9.87	6.84	15.5	6
7	2.18	12.7	8.88	18.4	5.82	1.61	0.340	0.340	5.80	8.43	5.58	11.4	7
8	2.01	12.9	9.88	16.9	11.3	0.340	0.340	0.340	7.05	0.340	3.71	11.8	8
9	7.14	12.7	9.74	17.1	11.2	0.340	0.340	0.340	4.19	8.08	7.82	8.47	9
10	6.55	12.6	9.86	17.4	10.6	0.340	0.340	9.85	2.89	7.73	8.38	7.05	10
11	10.8	8.52	4.28	18.2	10.1	0.340	0.340	0.425	11.3	7.87	6.89	11.8	11
12	9.87	8.52	2.88	18.4	10.3	0.340	0.340	0.453	8.88	7.48	5.55	12.5	12
13	9.77	12.8	12.0	10.8	0.340	0.340	0.340	0.481	8.06	8.83	6.97	12.8	13
14	2.75	12.7	14.0	13.2	3.34	0.340	0.340	0.398	9.77	5.52	7.28	13.4	14
15	2.75	12.6	14.4	9.74	15.4	0.340	0.340	8.38	12.0	4.26	7.16	14.2	15
16	6.47	13.5	14.4	10.0	14.7	0.340	0.340	8.33	3.51	9.17	6.80	9.77	16
17	9.37	13.5	16.1	12.0	14.8	0.340	0.340	0.368	3.43	7.02	8.81	7.79	17
18	8.83	11.4	7.22	12.9	14.8	0.340	0.340	0.340	12.5	6.99	7.02	14.0	18
19	8.50	4.79	3.58	12.8	14.8	0.340	0.425	0.340	8.47	6.97	6.34	17.8	19
20	6.52	12.7	18.4	12.7	6.29	0.340	0.368	0.340	9.66	7.85	14.1	14.8	20
21	2.87	12.7	18.5	12.7	4.87	0.340	0.340	0.340	9.87	3.17	6.98	18.9	21
22	2.72	12.9	18.3	9.94	6.34	0.340	0.340	0.425	9.83	0.340	10.8	14.2	22
23	9.87	12.3	15.6	5.58	13.3	0.340	0.340	0.340	6.34	6.99	11.7	9.91	23
24	9.83	12.2	9.97	11.9	12.7	0.340	0.340	0.340	6.12	6.20	12.0	8.35	24
25	9.66	7.83	6.50	12.9	11.2	0.340	0.340	0.340	10.6	8.44	8.41	8.81	25
26	10.4	8.97	8.44	13.0	11.1	0.340	0.340	0.453	12.8	7.11	8.74	9.88	26
27	9.81	12.9	16.4	13.0	0.850	0.340	0.340	0.340	12.5	7.73	11.4	11.4	27
28	4.16	12.7	17.8	12.8	0.340	0.340	0.340	0.340	9.88	2.78	12.7	11.3	28
29	7.05		18.8	9.29	8.26	0.340	0.340	0.340	8.44	0.340	11.9	14.2	29
30	9.80		18.9	9.28	8.84	0.340	0.340	0.340	6.00	6.52	11.3	11.2	30
31	9.74		17.9		7.50		0.340	0.340		7.62		8.27	31
TOTAL	207.28	337.53	378.71	408.21	301.380	23.280	10.653	38.701	206.741	208.600	246.65	384.63	TOTAL
MEAN	6.69	12.1	12.2	13.6	9.72	0.776	0.344	1.18	6.85	6.67	8.22	11.6	MEAN
MAX	10.8	14.7	18.5	19.0	15.4	7.05	0.425	9.85	12.8	10.3	14.1	17.8	MAX
MIN	2.01	4.79	2.88	5.58	0.340	0.340	0.340	0.340	0.340	0.340	2.94	7.05	MIN

SUMMARY FOR THE YEAR 1989

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.48
MAXIMUM DAILY, 19.0 ON APR 5
MINIMUM DAILY, 0.340 ON MAY 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 11 57 N
LONG 115 30 06 W

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	17 900	JUL	920
FEB	28 200	AUG	3 170
MAR	32 800	SEP	17 800
APR	35 100	OCT	17 900
MAY	28 000	NOV	21 300
JUN	2 010	DEC	31 500

TOTAL DISCHARGE, 235 000 dam³

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED SINCE 1942

CASCADE RIVER ABOVE LAKE MINNEWANKA - STATION NO. 05BD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	4.50E	8.77	13.7	7.08	12.2	4.86	3.81	---	1
2	---	---	---	---	4.47A	11.7	11.3	8.22	12.4	4.86	3.71	---	2
3	---	---	---	---	3.92	11.6	10.4	8.83	13.5	4.55	3.74	---	3
4	---	---	---	---	4.11	12.1	10.1	8.35	13.0	4.65	3.88	---	4
5	---	---	---	---	5.16	17.1	10.0	8.01	12.8	4.89	3.57	---	5
6	---	---	---	---	7.74	20.5	8.84	7.47	11.8	4.88	3.52	---	6
7	---	---	---	---	9.14	18.3	8.81	7.85	11.1	4.46	3.53A	---	7
8	---	---	---	---	10.2	17.7	8.88	9.13	10.5	4.33	---	---	8
9	---	---	---	---	11.7	20.4	8.28	8.39	9.80	4.28	---	---	9
10	---	---	---	---	11.7	23.6	8.35	11.2	9.36	4.53	---	---	10
11	---	---	---	---	9.89	22.9	11.0	9.11	8.84	4.47	---	---	11
12	---	---	---	---	7.02	22.2	11.1	8.09	8.32	4.51	---	---	12
13	---	---	---	---	6.07	22.6	10.7	7.83	8.03	4.42	---	---	13
14	---	---	---	---	5.68	24.3	10.4	7.57	7.77	4.30	---	---	14
15	---	---	---	---	5.43	26.0	10.5	7.22	7.52	4.02	---	---	15
16	---	---	---	---	5.42	23.5	11.0	9.56	7.30	3.89	---	---	16
17	---	---	---	---	5.63	19.3	9.79	13.1	7.25	3.90	---	---	17
18	---	---	---	---	5.33	15.8	9.18	18.8	6.90	4.06	---	---	18
19	---	---	---	---	4.86	13.9	8.72	24.9	6.58	4.00	---	---	19
20	---	---	---	---	4.65	12.1	8.94	25.6	6.28	4.07	---	---	20
21	---	---	---	---	4.38	10.8	10.3	20.8	6.04	4.03	---	---	21
22	---	---	---	---	4.27	10.1	9.04	17.6	5.82	3.86	---	---	22
23	---	---	---	---	4.35	10.0	8.15	15.4	5.67	3.87	---	---	23
24	---	---	---	---	4.47	10.9	7.78	13.4	5.54	3.93	---	---	24
25	---	---	---	---	4.22	11.1	7.84	12.3	5.36	3.81	---	---	25
26	---	---	---	---	4.11	12.3	7.38	11.6	5.29	3.64	---	---	26
27	---	---	---	---	4.16	14.8	7.38	11.7	5.18	3.83	---	---	27
28	---	---	---	---	3.89	11.9	8.28	13.0	5.03	3.78	---	---	28
29	---		---	---	3.85	11.8	7.78	13.3	4.96	3.68	---	---	29
30	---		---	---	4.17	12.7	7.38	13.1	4.93	3.77	---	---	30
31	---		---		5.20		7.08	12.8		3.48		---	31
TOTAL	---	---	---	---	178.18	481.07	283.41	370.81	244.94	128.96	---	---	TOTAL
MEAN	---	---	---	---	5.76	16.0	9.43	12.0	8.16	4.16	---	---	MEAN
MAX	---	---	---	---	11.7	26.0	13.7	25.6	13.5	4.89	---	---	MAX
MIN	---	---	---	---	3.85	8.77	7.08	7.08	4.93	3.48	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 9.22
MAXIMUM DAILY, 26.0 ON JUN 15
MINIMUM DAILY, 3.48 ON OCT 31
MAXIMUM INSTANTANEOUS,
30.6 AT 23:15 MST ON AUG 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 17 15 N
LONG 115 32 00 W
DRAINAGE AREA, 454 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	25 300
FEB	---	AUG	32 000
MAR	---	SEP	21 200
APR	---	OCT	11 100
MAY	15 500	NOV	---
JUN	41 600	DEC	---

TOTAL DISCHARGE, 147 000 dam³

CASTLE RIVER AT RANGER STATION - STATION NO. 05AA025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.7408	1.23	10.1	22.4	14.8	5.27	5.83	4.07	4.88A	---	1
2	---	---	0.7008	1.22	13.1	31.8	13.8	5.22	7.00	3.81	---	---	2
3	---	---	0.7208	1.22	15.0	37.1	12.9	5.01	7.38	3.78	---	---	3
4	---	---	0.7508	1.23	18.3	37.9	12.2	4.83	7.35	3.68	---	---	4
5	---	---	0.8008	1.30	18.0	38.3	11.8	4.68	7.55	3.69	---	---	5
6	---	---	0.8508	1.38	26.3	43.7	11.0	4.50	7.54	3.50	---	---	6
7	---	---	1.03 B	1.67	38.5	47.4	10.4	4.36	7.38	3.44	---	---	7
8	---	---	1.05 B	1.62	45.6	43.8	9.83	4.22	7.47	3.36	---	---	8
9	---	---	1.08 B	1.56	42.3	41.8	9.57	4.12	7.40	3.28	---	---	9
10	---	---	1.10 B	1.50	43.1	43.0	9.82	4.03	7.43	3.30	---	---	10
11	---	---	1.00 B	1.57	43.3	53.1	9.05	3.88	7.23	3.32	---	---	11
12	---	---	0.8508	1.88	36.6	47.6	8.41	3.87	7.00	3.43	---	---	12
13	---	---	0.8508	1.78	29.2	42.7	9.87	3.78	6.78	3.48	---	---	13
14	---	---	0.8308	1.84	24.3	40.4	10.5	3.72	6.60	3.88	---	---	14
15	---	---	0.8158	2.37	21.8	38.3	10.2	3.82	6.30	3.65	---	---	15
16	---	---	0.8008	2.86	21.8	37.8	11.7	3.61	6.07	3.48	---	---	16
17	---	---	0.8508	4.70	23.3	32.3	11.0	3.43	6.02	3.38	---	---	17
18	---	---	1.10 B	6.24	23.7	27.2	10.3	3.36	5.81	3.34	---	---	18
19	---	---	1.20 B	8.87	22.0	24.7	9.84	3.25	5.67	3.31	---	---	19
20	---	---	1.28 B	8.74	19.8	22.3	9.13	3.17	5.43	3.48	---	---	20
21	---	---	1.27 B	15.8	18.1	20.0	8.53	3.14	5.23	4.38	---	---	21
22	---	---	1.28 B	20.1	17.4	18.4	8.04	3.08	5.01	5.32	---	---	22
23	---	---	1.24 B	19.5	18.0	17.6	7.88	3.05	4.82	5.84	---	---	23
24	---	---	1.22 B	16.6	18.8	17.1	7.23	3.86	4.70	6.18	---	---	24
25	---	---	1.26 B	14.3	17.8	16.3	6.82	4.48	4.58	6.20	---	---	25
26	---	---	1.28	12.5	16.3	17.5	6.67	4.83	4.46	5.08	---	---	26
27	---	---	1.27	11.2	15.8	17.0	6.43	5.67	4.30	5.66	---	---	27
28	---	0.8108	1.27	9.87	15.8	16.4	6.26	6.06	4.18	5.72	---	---	28
29	---		1.22	9.01	14.2	15.5	6.02	6.18	4.07	5.46	---	---	29
30	---		1.21	8.88	13.8	15.1	5.86	6.16	4.03	5.22	---	---	30
31	---		1.23		15.0		5.44	6.07		5.07		---	31
TOTAL	---	---	32.825	181.88	716.5	926.5	290.10	134.40	180.60	131.78	---	---	TOTAL
MEAN	---	---	1.06	6.39	23.2	30.9	9.36	4.34	6.02	4.25	---	---	MEAN
MAX	---	---	1.28	20.1	45.6	53.1	14.8	6.18	7.86	6.20	---	---	MAX
MIN	---	---	0.700	1.22	10.1	15.1	5.44	3.06	4.03	3.29	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.8
MAXIMUM DAILY, 53.1 ON JUN 11
MINIMUM DAILY, 0.7008 ON MAR 2
MAXIMUM INSTANTANEOUS,
84.3 AT 11:50 MST ON JUN 11

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 23 55 N
LONG 114 20 20 W
DRAINAGE AREA, 378 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	38 100
FEB	---	AUG	11 600
MAR	2 840	SEP	18 800
APR	18 800	OCT	11 400
MAY	82 100	NOV	---
JUN	80 900	DEC	---

TOTAL DISCHARGE, 226 000 dam³

CASTLE RIVER NEAR BEAVER MINES - STATION NO. 05AA022

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.478	1.608	1.608	2.578	30.8	48.8	23.3	8.28	8.52	5.80	8.08	10.8	1
2	2.888	1.328	1.508	2.388	30.4	58.8	21.8	8.17	11.2	5.42	7.81	10.1	2
3	2.418	1.278	1.458	2.388	34.0	64.8	19.8	7.88	11.8	8.22	7.81	8.77	3
4	2.488	1.258	1.438	2.428	38.5	63.1	18.4	7.58	10.8	8.07	7.67	10.3	4
5	2.788	1.308	1.408	2.328	41.3	63.9	17.3	7.38	11.1	4.94	7.84	12.4	5
6	1.858	1.368	1.438	2.648	58.2	73.0	16.2	7.16	11.3	4.88	7.83	11.4	6
7	1.558	1.428	1.838	3.888	80.8	77.2	15.3	6.88	10.7	4.74	7.82	10.8	7
8	1.448	1.488	1.788	4.218	83.7	80.6	14.8	6.62	10.7	4.85	7.09	10.3	8
9	1.368	1.618	2.128	3.848	78.8	87.8	13.8	6.56	10.5	4.63	7.21	10.1	9
10	1.458	1.628	2.878	3.648	78.3	72.2	14.8	6.44	10.8	4.48	30.2	8.88	10
11	1.628	1.548	2.578	3.73	74.8	62.1	14.0	8.18	10.4	4.88	80.3	8.858	11
12	1.808	1.858	2.488	4.02	62.6	73.2	12.6	8.11	9.98	4.88	84.7	8.138	12
13	1.818	1.848	2.508	4.60	60.6	68.6	17.2	8.90	9.46	5.93	60.8	7.838	13
14	1.538	1.808	2.308	5.88	42.8	84.3	23.1	8.03	9.08	6.75	32.3	8.888	14
15	1.878	1.438	2.188	8.88	37.7	81.3	18.8	8.77	8.88	8.43	28.3	9.888	15
16	1.708	1.378	2.108	11.4	37.7	80.1	20.2	8.61	8.28	8.87	22.8	8.768	16
17	1.768	1.328	2.078	10.7	40.8	81.8	18.2	8.38	8.07	8.88	20.2	7.888	17
18	1.808	1.308	2.188	12.7	41.4	83.8	16.4	8.28	8.17	8.80	18.2	8.888	18
19	1.878	1.408	2.238	16.1	37.8	80.8	15.1	8.11	7.82	8.42	18.1	8.188	19
20	1.928	1.808	2.358	28.3	32.3	38.9	14.3	4.88	7.48	8.48	20.8	8.888	20
21	1.858	1.848	2.458	38.8	28.1	31.8	13.3	4.80	7.20	8.44	22.2	4.888	21
22	1.808	1.838	2.538	47.8	28.8	28.1	12.8	4.84	8.81	11.2	19.7	8.848	22
23	1.828	2.038	2.488	42.8	31.1	26.2	11.8	4.78	8.88	11.3	18.3	10.8	23
24	1.678	2.128	2.458	33.2	31.8	26.8	11.1	8.88	8.84	11.3	17.1	8.118	24
25	1.638	2.108	2.828	27.7	28.8	30.7	10.8	7.13	8.20	10.8	15.8	7.318	25
26	1.708	2.018	2.848	23.3	28.8	28.2	10.2	7.88	8.88	10.3	14.3	8.748	26
27	1.788	1.908	2.028	20.3	26.8	28.8	9.83	8.48	8.78	8.87	13.2	8.358	27
28	1.888	1.818	2.888	17.8	28.1	26.6	9.88	8.80	8.80	8.68	12.8	8.058	28
29	1.868		2.778	18.4	33.3	24.8	9.10	8.80	8.80	8.88	12.1	8.888	29
30	2.008		2.848	17.3	34.1	24.3	8.73	8.30	8.37	8.88	11.3	8.128	30
31	1.768		2.518		32.3		8.48	8.83		8.42		8.248	31
TOTAL	57.48	43.82	68.88	418.02	1 302.8	1 817.7	480.88	211.83	285.87	218.83	880.14	288.80	TOTAL
MEAN	1.85	1.87	2.21	13.8	42.0	80.8	14.8	8.83	8.83	8.88	18.7	8.28	MEAN
MAX	2.88	2.12	2.82	47.8	83.7	82.1	23.3	8.80	11.8	11.3	80.3	12.4	MAX
MIN	1.38	1.28	1.40	2.32	20.8	24.3	8.48	4.78	8.37	4.48	7.08	4.88	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 14.7
MAXIMUM DAILY, 83.7 ON MAY 6
MINIMUM DAILY, 1.288 ON FEB 4
MAXIMUM INSTANTANEOUS,
88.8 AT 01:48 MST ON MAY 6

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 28 20 N
LONG 114 08 40 W
DRAINAGE AREA, 823 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 880	JUL	39 800
FEB	3 780	AUG	18 300
MAR	5 930	SEP	22 100
APR	38 100	OCT	18 700
MAY	113 000	NOV	46 400
JUN	131 000	DEC	32 100

TOTAL DISCHARGE, 484 000 dam³

CATARACT CREEK NEAR FORESTRY ROAD - STATION NO. 08BL023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.1888	0.1808	0.1888	0.1888	2.07	5.82	2.30	0.848	1.16	0.788	0.4308	0.8508	1
2	0.1888	0.1888	0.2118	0.1808	3.83	7.06	2.11	0.878	1.13	0.7228	0.8008	0.8508	2
3	0.1888	0.1888	0.2068	0.1808	3.78	7.71	1.88	0.833	1.31	0.7028	0.7238	0.8118	3
4	0.1888	0.1808	0.2018	0.1878	3.87	7.72	1.88	0.788	1.18	0.7808	0.6948	0.8148	4
5	0.1838	0.1808	0.1948	0.1888	3.82	8.78	1.78	0.770	1.48	0.7628	0.8808	0.8108	5
6	0.1708	0.1808	0.1828	0.1888	5.71	8.80	1.68	0.834	1.84	0.748	0.8738	0.7408	6
7	0.1888	0.1808	0.1788	0.1788	7.07	8.87	1.58	0.843	1.54	0.727	0.8488	0.8478	7
8	0.1808	0.1808	0.1818	0.1808	8.88	9.03	1.51	0.811	1.48	0.712	0.8808	0.8068	8
9	0.1888	0.1808	0.1848	0.2008	7.04	9.14	1.48	0.784	1.44	0.882	0.7208	0.8008	9
10	0.1708	0.1888	0.1808	0.2108	8.20	9.14	1.98	0.834	1.48	0.701	0.7808	0.8908	10
11	0.1788	0.1848	0.1888	0.2308	8.38	8.13	1.77	0.738	1.43	0.786	0.7808	0.8308	11
12	0.1808	0.1828	0.1788	0.2868	8.32	7.36	1.64	0.708	1.38	0.777	0.8008	0.8518	12
13	0.1808	0.1808	0.1828	0.3188	8.07	7.08	1.97	0.720	1.34	0.888	0.8208	0.7848	13
14	0.2078	0.1588	0.1808	0.3888	4.34	6.88	1.87	0.710	1.28	0.802	0.8408	0.7888	14
15	0.2008	0.1588	0.1888	0.4818	4.18	6.37	1.47	0.873	1.21	0.8738	0.8808	0.8078	15
16	0.1958	0.1588	0.1818	0.5428	4.82	6.13	1.81	0.721	1.18	0.8438	0.8208	0.8448	16
17	0.1908	0.1588	0.1958	0.8008	4.78	5.38	1.48	0.726	1.18	0.7178	0.8908	0.8118	17
18	0.1878	0.1878	0.1888	0.7008	4.87	4.86	1.34	0.888	1.12	0.7818	1.07 B	0.8858	18
19	0.1858	0.1858	0.1808	0.8198	3.87	4.28	1.28	0.658	1.07	0.721	1.08 B	0.8408	19
20	0.1938	0.1978	0.1838	1.48 B	3.84	3.88	1.21	0.878	1.02	0.782	1.08 B	0.8008	20
21	0.1888	0.1588	0.1848	2.71 B	3.41	3.48	1.18	0.847	0.978	1.10	1.00 B	0.4808	21
22	0.2008	0.1838	0.1788	2.48 B	3.49	3.26	1.10	0.836	0.947	0.836	0.9808	0.4208	22
23	0.2058	0.1768	0.1788	1.82 B	3.73	3.07	1.08	0.828	0.911	0.888	0.8208	0.4608	23
24	0.2048	0.1738	0.1748	1.44 B	3.48	2.94	1.01	0.870	0.877	0.815	0.8808	0.4808	24
25	0.2028	0.1748	0.1738	1.19 B	3.27	3.14	0.980	0.773	0.868	0.8328	0.8408	0.5278	25
26	0.1918	0.1788	0.1738	1.08 B	3.12	2.87	0.986	0.842	0.828	0.7828	0.8208	0.4868	26
27	0.1848	0.1768	0.1738	0.8878	2.96	2.80	0.828	1.18	0.800	0.7808	0.8108	0.4718	27
28	0.1778	0.1838	0.1728	0.8538	2.76	2.81	0.898	1.38	0.783	0.7088	0.8208	0.4708	28
29	0.1838		0.1708	1.11 B	2.88	2.58	0.853	1.18	0.778	0.7848	0.8208	0.4788	29
30	0.1838		0.1708	1.42 B	2.86	2.40	0.827	1.18	0.783	0.7288	0.8408	0.4738	30
31	0.1808		0.1658		4.21		0.800	1.24		0.7498		0.4888	31
TOTAL	5.802	4.868	5.681	22.200	134.81	173.22	43.428	25.581	34.448	23.810	24.818	18.843	TOTAL
MEAN	0.187	0.183	0.183	0.740	4.35	5.77	1.40	0.825	1.18	0.771	0.817	0.811	MEAN
MAX	0.207	0.182	0.211	2.48	8.28	9.80	2.30	1.38	1.84	1.10	1.07	0.880	MAX
MIN	0.180	0.158	0.158	0.157	2.07	2.40	0.800	0.828	0.783	0.843	0.430	0.420	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.42
MAXIMUM DAILY, 9.80 ON JUN 8
MINIMUM DAILY, 0.1588 ON FEB 2
MAXIMUM INSTANTANEOUS,
10.0 AT 19:37 MST ON JUN 8

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 17 04 N
LONG 114 35 28 W
DRAINAGE AREA, 188 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	501	JUL	3 750
FEB	394	AUG	2 210
MAR	491	SEP	2 880
APR	1 830	OCT	2 070
MAY	11 700	NOV	2 120
JUN	15 000	DEC	1 640

TOTAL DISCHARGE, 44 800 dam³

CAVAN LAKE DIVERSION NEAR DUNMORE - STATION NO. 05AH044

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0B	0 B	0.0788	0	0.088	B	0	0	0	0	---	1
2	---	0B	0 B	0.0408	0	0.034	B	0	0	0	0	---	2
3	---	0B	0 B	0.008	0	0.003	0	0	0	0	0	---	3
4	---	0B	0 B	0.004	0	0	0	0	0	0	0	---	4
5	---	0B	0 B	0.003	0	0	0	0	0	0	0	---	5
6	---	0B	0 B	0.002	0	0	0	0	0	0	0	---	6
7	---	0B	0 B	0.002	0	0	0	0	0	0	0	---	7
8	---	0B	0 B	0.002	0	0	0	0	0	0	0A	---	8
9	---	0B	0 B	0.001	0	0	0	0	0	0	---	---	9
10	---	0B	0 B	0	0	0	0	0	0	0	---	---	10
11	---	0B	0 B	0	0	0	0	0	0	0	---	---	11
12	---	0B	0 B	0	0	0	0	0	0	0	---	---	12
13	---	0B	0 B	0	0	0	0	0	0	0	---	---	13
14	---	0B	0 B	0	0	0	0	0	0	0	---	---	14
15	---	0B	0 B	0	0	0	0	0	0	0	---	---	15
16	---	0B	0 B	0	0	0	0	0	0	0	---	---	16
17	---	0B	0 B	0	0	0	0	0	0	0	---	---	17
18	---	0B	0 B	0	0	0	0	0	0	0	---	---	18
19	---	0B	0 B	0	0	0	0	0	0	0	---	---	19
20	---	0B	0 B	0	0	0	0	0	0	0	---	---	20
21	---	0B	0 B	0	0	0	0	0	0	0	---	---	21
22	---	0B	0 B	0	0	0	0	0	0	0	---	---	22
23	---	0B	0 B	0	0	0	0	0	0	0	---	---	23
24	---	0B	0 B	0	0	0	0	0	0	0	---	---	24
25	---	0B	0 B	0	0	0	0	0	0	0	---	---	25
26	---	0B	0.0308	0	0	0	0	0	0	0	---	---	26
27	---	0B	0.0708	0	0	0	0	0	0	0	---	---	27
28	---	0B	0.0838	0	0	0	0	0	0	0	---	---	28
29	---		0.4898	0	0	0	0	0	0	0	---	---	29
30	---		0.3508	0	0.034	0	0	0	0	0	---	---	30
31	---		0.2308		0.202		0	0		0		---	31
TOTAL	---	0	1.263	0.139	0.236	0.115	0	0	0	0	---	---	TOTAL
MEAN	---	0	0.041	0.005	0.007	0.004	0	0	0	0	---	---	MEAN
MAX	---	0	0.489	0.078	0.202	0.088	0	0	0	0	---	---	MAX
MIN	---	0	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.008
MAXIMUM DAILY, 0.4898 ON MAR 29
MINIMUM DAILY, 0B ON FEB 1

SUMMARY FOR THE MONTHS FEB TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 51 N
LONG 110 39 47 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	0	AUG	0
MAR	109	SEP	0
APR	12.0	OCT	0
MAY	18.8	NOV	---
JUN	8.84	DEC	---

TOTAL DISCHARGE, 150 dam³

CHAIN LAKES RESERVOIR NEAR NANTON - STATION NO. 05AB037

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1294.280	1293.844E	1293.626	1293.428	1294.181	1295.826	1295.774	1295.188	1295.857	1295.825	1295.574	1295.289	1
2	1294.262	1293.932E	1293.613	1293.431	1294.213	1295.857	1295.778	1295.159	1295.856	1295.819	1295.568	1295.289	2
3	1294.236	1293.918E	1293.594	1293.437	1294.268	1295.883	1295.776	1295.148	1295.907	1295.807	1295.557	1295.283	3
4	1294.226	1293.907E	1293.580	1293.438	1294.380	1295.029	1295.777	1295.138	1295.912	1295.803	1295.551	1295.273	4
5	1294.240	1293.888E	1293.576	1293.448	1294.421	1295.092	1295.774	1295.133	1295.928	1295.792	1295.542	1295.263	5
6	1294.241	1293.882E	1293.582	1293.480	1294.488	1295.145	1295.774	1295.112	1295.932	1295.787	1295.531	1295.251	6
7	1294.238	1293.870E	1293.548	1293.478	1294.572	1295.183	1295.781	1295.100	1295.933	1295.778	1295.523	1295.238	7
8	1294.226	1293.857E	1293.532	1293.514	1294.670	1295.238	1295.738	1295.102	1295.933	1295.769	1295.508	1295.233	8
9	1294.217	1293.844E	1293.521	1293.525	1294.762	1295.285	1295.716	1295.068	1295.940	1295.767	1295.497	1295.217	9
10	1294.209	1293.832E	1293.511	1293.536	1294.826	1295.337	1295.701	1295.076	1295.948	1295.749	1295.488	1295.204	10
11	1294.200	1293.820E	1293.498	1293.548	1294.915	1295.386	1295.698	1295.082	1295.948	1295.742	1295.488	1295.191	11
12	1294.184	1293.807E	1293.487	1293.582	1294.994	1295.439	1295.673	1295.080	1295.947	1295.738	1295.480	1295.178	12
13	1294.176	1293.788E	1293.478	1293.580	1295.084	1295.470	1295.656	1295.033	1295.880	1295.728	1295.468	1295.164	13
14	1294.168	1293.743A	1293.476	1293.807	1295.118	1295.508	1295.648	1295.018	1295.948	1295.720	1295.461	1295.155	14
15	1294.158	1293.775	1293.468	1293.834	1295.184	1295.540	1295.617	1295.894	1295.937	1295.709	1295.443	1295.148	15
16	1294.138	1293.768	1293.458	1293.873	1295.204	1295.574	1295.598	1295.868	1295.927	1295.700	1295.440	1295.138	16
17	1294.128	1293.763	1293.444	1293.894	1295.241	1295.598	1295.588	1295.872	1295.932	1295.687	1295.430	1295.122	17
18	1294.117	1293.742	1293.431	1293.716	1295.276	1295.624	1295.584	1295.868	1295.932	1295.682	1295.426	1295.108	18
19	1294.108	1293.728	1293.421	1293.746	1295.298	1295.638	1295.537	1295.848	1295.931	1295.678	1295.417	1295.085	19
20	1294.092	1293.718	1293.408	1293.777	1295.329	1295.652	1295.510	1295.848	1295.927	1295.668	1295.411	1295.060	20
21	1294.080	1293.708	1293.393	1293.812	1295.358	1295.668	1295.482	1295.834	1295.928	1295.658	1295.408	1295.084	21
22	1294.067	1293.681	1293.388	1293.887	1295.388	1295.685	1295.462	1295.814	1295.908	1295.647	1295.388	1295.068	22
23	1294.054	1293.678	1293.368	1293.901	1295.418	1295.701	1295.423	1295.808	1295.903	1295.638	1295.388	1295.042	23
24	1294.038	1293.670	1293.380	1293.937	1295.480	1295.710	1295.400	1295.883	1295.884	1295.627	1295.380	1295.028	24
25	1294.028	1293.667	1293.382	1293.970	1295.482	1295.732	1295.388	1295.884	1295.880	1295.618	1295.371	1295.018	25
26	1294.018	1293.654	1293.367	1294.003	1295.518	1295.744	1295.343	1295.874	1295.888	1295.608	1295.368	1295.002	26
27	1294.008	1293.648	1293.358	1294.038	1295.583	1295.761	1295.319	1295.878	1295.880	1295.604	1295.344	1294.984	27
28	1293.980	1293.641	1293.402	1294.068	1295.608	1295.780	1295.288	1295.868	1295.844	1295.606	1295.338	1294.978	28
29	1293.977		1293.408	1294.081	1295.653	1295.784	1295.263	1295.896	1295.838	1295.593	1295.328	1294.966	29
30	1293.966		1293.416	1294.116	1295.702	1295.772	1295.238	1295.898	1295.827	1295.583	1295.313	1294.951	30
31	1295.868E		1293.421		1295.760		1295.211	1295.889		1295.565		1294.936	31
MEAN	1294.104	1293.763	1293.472	1293.701	1295.073	1295.457	1295.583	1295.002	1295.912	1295.700	1295.447	1295.127	MEAN
MAX	1295.868	1293.844	1293.628	1294.116	1295.760	1295.772	1295.777	1295.188	1295.960	1295.825	1295.574	1295.289	MAX
MIN	1293.868	1293.641	1293.368	1293.428	1294.181	1295.826	1295.211	1295.874	1295.827	1295.565	1295.313	1294.936	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 1295.127
MAXIMUM DAILY, 1295.777 ON JUL 4
MINIMUM DAILY, 1293.368 ON MAR 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 12 05 N
LONG 114 11 22 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA, 187 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

CHENAL DES QUATRE FOURCHES AT QUATRE FOURCHES - STATION NO. 07KF001

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	208.294	208.308	208.698	208.591	208.342	---	---	1
2	---	---	---	---	---	208.335	208.348	208.653	208.570	208.307	---	---	2
3	---	---	---	---	---	208.300	208.322	208.638	208.530	208.278	---	---	3
4	---	---	---	---	---	208.366	208.381	208.580	208.547	208.038	---	---	4
5	---	---	---	---	---	208.378	208.493	208.521	208.584	208.257	---	---	5
6	---	---	---	---	---	208.244	208.512	208.468	208.530	208.203	---	---	6
7	---	---	---	---	---	208.391	208.490	208.488	208.522	208.271	---	---	7
8	---	---	---	---	---	208.334	208.474	208.480	208.582	208.200	---	---	8
9	---	---	---	---	---	208.187	208.432	208.518	208.607	208.224	---	---	9
10	---	---	---	---	---	208.230	208.488	208.536	208.628	208.078	---	---	10
11	---	---	---	---	---	208.248	208.491	208.562	208.388	208.281	---	---	11
12	---	---	---	---	---	208.278	208.518	208.622	208.449	208.280	---	---	12
13	---	---	---	---	---	208.322	208.546	208.601	208.488	208.255	---	---	13
14	---	---	---	---	---	208.367	208.581	208.574	208.471	208.272	---	---	14
15	---	---	---	---	---	208.388	208.587	208.548	208.483	208.281	---	---	15
16	---	---	---	---	---	208.384	208.573	208.577	208.510	208.184	---	---	16
17	---	---	---	---	---	208.381	208.588	208.618	208.507	208.000	---	---	17
18	---	---	---	---	---	208.316	208.711	208.641	208.472	208.163A	---	---	18
19	---	---	---	---	---	208.328	208.722	208.623	208.448	---	---	---	19
20	---	---	---	---	---	208.337	208.698	208.583	208.408	---	---	---	20
21	---	---	---	---	---	208.364	208.627	208.572	208.442	---	---	---	21
22	---	---	---	---	---	208.325	208.741	208.618	208.338	---	---	---	22
23	---	---	---	---	208.886A	208.330	208.814	208.623	208.311	---	---	---	23
24	---	---	---	---	208.940	208.136	208.882	208.682	208.336	---	---	---	24
25	---	---	---	---	208.933	208.227	208.804	208.687	208.381	---	---	---	25
26	---	---	---	---	208.908	208.183	208.848	208.618	208.388	---	---	---	26
27	---	---	---	---	208.888	208.177	208.870	208.581	208.288	---	---	---	27
28	---	---	---	---	208.188	208.298	208.888	208.567	208.343	---	---	---	28
29	---		---	---	208.288	208.330	208.788	208.548	208.400	---	---	---	29
30	---		---	---	208.267	208.328	208.722	208.558	208.488	---	---	---	30
31	---		---		208.248		208.682	208.572		---		---	31
MEAN	---	---	---	---	---	208.288	208.670	208.558	208.482	---	---	---	MEAN
MAX	---	---	---	---	---	208.384	208.814	208.698	208.607	---	---	---	MAX
MIN	---	---	---	---	---	208.136	208.308	208.433	208.288	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 208.814 ON JUL 23

MAXIMUM INSTANTANEOUS, 208.868 AT 05:00 MST ON JUL 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 38 50 N
LONG 111 17 20 W
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

A - MANUAL GAUGE

REGULATED SINCE 1967

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

CHINCHAGA RIVER NEAR HIGH LEVEL - STATION NO. 07OC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.11 B	0.6400	0.3700	0.2500	421	180	13.0	8.27	22.8	18.0	4.72	4.670	1
2	1.94 B	0.6330	0.3690	0.2600	484	152	11.8	8.27	21.1	16.5	4.810	4.720	2
3	1.80 B	0.6260	0.3490	0.2600	536	130	12.0	8.37	19.6	14.9	5.190	4.510	3
4	1.65 B	0.6190	0.3370	0.2200	547	114	11.4	8.40	17.9	18.0	5.550	4.340	4
5	1.50 B	0.6100	0.3280	0.3500	522	102	11.3	8.14	18.2	28.7	5.550	4.340	5
6	1.45 B	0.6020	0.3150	0.5500	488	91.3	10.8	8.00	14.8	32.6	5.370	4.340	6
7	1.38 B	0.6020	0.3050	0.8000	437	83.5	9.87	10.0	13.3	35.0	5.830	4.340	7
8	1.34 B	0.6020	0.2950	1.00 B	386	75.1	9.34	10.2	12.3	33.5	6.010	4.370	8
9	1.27 B	0.5950	0.2850	1.30 B	342	67.5	8.83	10.4	11.5	31.0	6.340	4.400	9
10	1.20 B	0.5950	0.2800	1.80 B	311	61.9	10.0	11.6	11.4	28.8	6.420	4.400	10
11	1.16 B	0.5800	0.2750	1.85 B	278	58.7	10.6	12.1	18.4	26.3	6.340	4.230	11
12	1.12 B	0.5565	0.2650	1.85 B	248	52.9	14.8	11.4	34.9	24.4	6.210	4.030	12
13	1.06 B	0.5370	0.2610	1.81 B	217	48.6	16.9	10.4	34.5	22.7	6.170	3.910	13
14	1.04 B	0.5180	0.2520	1.97 B	181	46.6	15.1	11.3	31.3	21.5	6.130	3.880	14
15	1.00 B	0.5020	0.2470	2.14 B	166	45.6	13.5	20.7	27.6	20.3	6.090	3.880	15
16	0.9800	0.4850	0.2380	2.28 B	149	41.8	13.6	28.5	24.6	19.0	6.090	3.800	16
17	0.9800	0.4850	0.2280	2.57 B	133	37.3	12.2	34.2	21.6	17.8	6.010	3.640	17
18	0.9610	0.4620	0.2200	4.66 B	121	34.1	11.3	35.0	19.6	17.0	6.010	3.750	18
19	0.9430	0.4750	0.2120	7.45 B	111	30.8	11.6	31.7	18.6	17.0	6.130	3.700	19
20	0.9230	0.4650	0.2060	8.40 B	105	28.2	11.3	28.1	17.0	16.8	6.150	3.640	20
21	0.9050	0.4520	0.2060	8.84 B	111	27.7	9.67	26.2	15.2	14.8	6.490	3.510	21
22	0.8850	0.4490	0.2040	12.1 B	114	26.9	9.07	26.4	14.3	13.2	6.670	3.400	22
23	0.8650	0.4360	0.2040	13.6 B	137	26.0	9.84	26.3	14.3	13.7	6.810	3.380	23
24	0.8500	0.4230	0.2040	16.0 B	166	22.6	10.7	25.5	14.2	15.3	6.670	3.330	24
25	0.8320	0.4080	0.2040	16.2 B	212	20.7	10.8	23.5	14.3	16.3	6.360	3.330	25
26	0.8320	0.3880	0.2000	18.7 B	248	19.0	10.4	21.3	13.8	15.4	6.070	3.350	26
27	0.8230	0.3820	0.2000	87.2 B	259	17.4	10.3	19.3	13.5	15.4 B	5.880	3.300	27
28	0.7800	0.3820	0.2000	155 B	261	16.1	10.4	18.3	13.6	10.2 B	5.680	3.350	28
29	0.7370		0.2000	224 B	272	14.8	10.4	18.8	13.5	7.380	5.220	3.310	29
30	0.6980		0.2000	332	248	13.7	10.5	23.7	16.9	7.15	4.980	3.300	30
31	0.6580		0.2000		213		9.76	24.0		6.56		3.400	31
TOTAL	34.712	14.965	7.851	904.720	8 482	1 884.9	351.80	575.25	553.5	588.01	177.15	130.67	TOTAL
MEAN	1.12	0.520	0.253	30.2	273	58.2	11.3	18.6	18.5	18.8	5.91	3.48	MEAN
MAX	2.11	0.640	0.370	332	547	180	16.9	35.0	34.9	35.0	6.87	4.87	MAX
MIN	0.650	0.382	0.200	0.220	105	13.7	8.07	8.00	11.4	6.56	4.72	3.30	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 38.8
MAXIMUM DAILY, 547 ON MAY 4
MINIMUM DAILY, 0.2000 ON MAR 28
MAXIMUM INSTANTANEOUS,
557 AT 00:00 MST ON MAY 4

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 35 48 N
LONG 118 30 00 W
DRAINAGE AREA, 10 400 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	3 000	JUL	30 400
FEB	1 200	AUG	48 700
MAR	678	SEP	47 800
APR	78 200	OCT	50 800
MAY	731 000	NOV	15 300
JUN	148 000	DEC	10 400

TOTAL DISCHARGE, 1 180 000 dam³

CHIP LAKE AT OUTLET TO LOBSTICK RIVER - STATION NO. 07BB005

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	788.367	788.549A	---	---	---	788.614A	---	1
2	---	---	---	---	788.378A	788.331	---	---	---	---	---	---	2
3	---	---	---	---	788.406	788.318	---	---	---	---	---	---	3
4	---	---	---	---	788.380	788.313	---	---	---	---	---	---	4
5	---	---	---	---	788.381	788.312	---	---	---	---	---	---	5
6	---	---	---	---	788.383	788.330	---	---	788.412A	---	---	---	6
7	---	---	---	---	788.387	788.292	---	---	---	---	---	---	7
8	---	---	---	788.220A	788.378	788.271	---	---	---	---	---	---	8
9	---	---	---	---	788.387	788.308	---	---	---	---	---	---	9
10	---	---	---	---	788.389	788.341	---	---	---	---	---	---	10
11	---	---	---	---	788.382	788.348	---	---	---	---	---	---	11
12	---	---	---	---	788.384	788.344	---	---	---	---	---	---	12
13	---	---	---	---	788.381	788.319	---	---	---	---	---	---	13
14	---	---	---	---	788.341	788.371	---	---	---	---	---	---	14
15	---	---	---	---	788.348	788.382	---	---	---	---	---	---	15
16	---	---	---	---	788.344	788.384	---	---	---	---	---	---	16
17	---	---	---	---	788.328	788.378	---	---	---	---	---	---	17
18	---	---	---	788.348A	788.388	788.378	---	---	---	---	---	---	18
19	---	---	---	---	788.488	788.384	---	---	---	---	---	---	19
20	---	---	788.184A	---	788.478	788.398	---	---	788.194A	---	---	---	20
21	---	788.189A	---	---	788.383	788.374	---	---	---	---	---	---	21
22	---	---	---	---	788.372	788.372	---	---	---	---	---	---	22
23	---	---	---	---	788.344	788.373	---	---	---	---	---	---	23
24	---	---	---	---	788.388	788.358	---	---	---	---	---	---	24
25	---	---	---	---	788.383	788.343	788.780A	---	---	---	---	---	25
26	---	---	---	---	788.372	788.305	---	---	---	---	---	---	26
27	---	---	---	---	788.355	788.381	---	---	788.054A	---	---	---	27
28	---	---	---	---	788.345	788.439A	---	---	---	---	---	---	28
29	---		---	---	788.347	788.472A	---	---	---	---	---	---	29
30	---		---	---	788.341	788.508A	---	---	---	---	---	---	30
31	---		---		788.383		---	---		---		---	31
MEAN	---	---	---	---	---	788.380	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	788.508	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	788.271	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 35 54 N
LONG 118 15 33 W

A - MANUAL GAUGE

NATURAL FLOW

DRAINAGE AREA,
1 210 km²

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

REMARKS - MAXIMUM INSTANTANEOUS WATER LEVEL 789.480 WAS OBTAINED FROM HIGH WATER MARK. DATA AND TIME WERE UNKNOWN

CHRISTINA RIVER NEAR CHARD - STATION NO. 07CE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	2.028	2.368	18.3	35.0	38.8	18.7	10.4	12.2	---	---	1
2	---	---	2.338	2.578	18.4	34.0	38.8	18.3	10.4	12.7	---	---	2
3	---	---	2.368	2.728	20.2	32.9	43.2	18.0	11.0	13.4	---	---	3
4	---	---	2.158	2.668	19.8	31.6	48.0	15.4	10.7	13.3	---	---	4
5	---	---	2.188	2.908	20.0	30.4	51.5	15.1	10.4	13.3	---	---	5
6	---	---	2.078	3.328	20.0	30.2	52.4	14.5	10.1	13.3	---	---	6
7	---	---	2.078	4.008	18.7	28.7	51.0	14.4	9.83	13.3	---	---	7
8	---	---	2.148	4.468	18.5	30.8	48.9	14.3	9.86	13.2	---	---	8
9	---	---	2.178	4.258	18.6	31.2	46.4	14.0	9.83	13.0	---	---	9
10	---	---	2.188	4.718	18.5	33.0	43.6	13.3	9.47	13.0	---	---	10
11	---	---	2.178	5.858	18.7	35.8	40.8	12.4	9.53	12.9	---	---	11
12	---	---	2.248	6.898	18.3	36.0	37.5	11.8	9.81	13.0	---	---	12
13	---	---	2.268	6.448	18.2	35.3	34.8	11.0	9.67	13.0	---	---	13
14	---	---	2.248	5.868	17.8	33.7	32.2	10.4	9.85	13.0	---	---	14
15	---	---	2.388	5.348	17.3	31.3	29.4	9.76	9.41	13.0	---	---	15
16	---	---	2.468	5.828	16.9	29.5	27.0	9.24	9.52	13.0	---	---	16
17	---	---	2.628	5.658	16.2	31.8	24.6	8.80	10.3	12.8	---	---	17
18	---	---	2.538	5.808	15.3	40.3	22.7	8.73	10.4	12.7	---	---	18
19	---	---	2.488	5.468	15.9	48.4	20.9	8.42	10.5	12.8	---	---	19
20	---	---	2.408	4.018	16.7	52.8	19.2	8.10	10.7	12.8	---	---	20
21	---	---	2.328	4.058	33.8	55.4	18.1	7.86	11.0	12.8	---	---	21
22	---	---	2.278	3.918	29.2	58.1	17.2	8.21	11.2	12.8	---	---	22
23	---	---	2.628	3.708	34.4	59.7	16.3	8.44	11.5	12.5	---	---	23
24	---	---	2.808	4.008	37.5	58.1	16.2	8.28	11.8	12.4	---	---	24
25	---	---	2.688	8.008	39.1	55.8	16.2	8.28	11.7	12.2	---	---	25
26	---	---	2.538	8.008	38.5	53.0	16.2	8.54	12.0	12.2	---	---	26
27	---	---	2.528	10.4 B	40.2	48.5	16.8	8.70	11.7	12.2	---	---	27
28	---	2.088	2.488	11.6 B	40.8	46.0	16.8	8.78	11.4	12.2A	---	---	28
29	---		2.438	14.8 B	38.9	43.1	16.1	9.03	11.4	12.0B	---	---	29
30	---		2.418	16.8	36.4	40.7	17.4	9.27	11.7	11.8B	---	---	30
31	---		2.368		36.7		17.2	8.78		11.8B	---	---	31
TOTAL	---	---	72.31	166.38	787.1	1 212.1	847.8	343.74	316.17	383.4	---	---	TOTAL
MEAN	---	---	2.33	5.18	24.7	40.4	30.5	11.1	10.5	12.7	---	---	MEAN
MAX	---	---	2.62	16.6	40.8	59.7	52.4	16.7	12.0	13.4	---	---	MAX
MIN	---	---	2.02	2.36	16.3	28.8	16.2	7.86	9.41	11.8	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 17.2
MAXIMUM DAILY, 59.7 ON JUN 23
MINIMUM DAILY, 2.028 ON MAR 1
MAXIMUM INSTANTANEOUS,
59.2 AT 08:10 MST ON JUN 23

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 50 20 N
LONG 110 52 00 W
DRAINAGE AREA, 4 850 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL 81 800	
FEB	---	AUG 29 700	
MAR	6 250	SEP 27 300	
APR	13 400	OCT 34 000	
MAY	66 300	NOV ---	
JUN	105 000	DEC ---	

TOTAL DISCHARGE, 384 000 dam³

CHRISTMAS CREEK NEAR BLUE RIDGE - STATION NO. 07AH002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0308	0.0318	1.08	0.825	2.38	4.75	1.58	0.518	0.4608	---	1
2	---	---	0.0308	0.0378	1.08	0.864	3.45	7.63	1.58	0.511	0.4308	---	2
3	---	---	0.0508	0.0378	1.16	0.800	4.38	18.1	1.84	0.508	---	---	3
4	---	---	0.0558	0.0408	1.84	0.730	4.23	21.8	1.48	0.497	---	---	4
5	---	---	0.0508	0.0398	1.87	0.684	3.63	14.7	1.31	0.488	---	---	5
6	---	---	0.0908	0.0598	1.40	0.802	2.88	9.81	1.22	0.485	---	---	6
7	---	---	0.1388	0.0798	1.23	0.840	2.71	7.48	1.18	0.478	---	---	7
8	---	---	0.1518	0.1238	1.84	0.837	6.84	5.82	1.08	0.485	---	---	8
9	---	---	0.1488	0.2868	1.57	0.887	21.4	4.84	1.05	0.448	---	---	9
10	---	---	0.1518	0.3098	1.36	0.798	31.2	4.32	0.978	0.441	---	---	10
11	---	---	0.1558	0.3508	1.37	1.71	23.8	3.68	0.828	0.477	---	---	11
12	---	---	0.0508	0.4268	0.935	1.85	18.4	3.19	0.852	0.448	---	---	12
13	---	---	0.0658	1.40 B	0.884	1.38	9.84	2.74	0.783	0.432	---	---	13
14	---	---	0.0508	1.80 B	0.788	1.18	7.01	2.68	0.722	0.426	---	---	14
15	---	---	0.0558	2.00 B	0.855	1.10	5.41	2.32	0.674	0.426	---	---	15
16	---	---	0.0508	1.82 B	0.592	1.18	4.85	2.02	0.743	0.432	---	---	16
17	---	---	0.0458	1.68 B	0.525	1.06	4.81	2.12	0.893	0.4108	---	---	17
18	---	---	0.0458	1.68 B	0.689	0.932	7.58	3.31	0.876	0.418	---	---	18
19	---	---	0.0558	1.73 B	0.799	0.808	6.84	4.20	0.853	0.433	---	---	19
20	---	---	0.0808	1.86 B	2.53	0.784	5.58	4.13	0.813	0.437	---	---	20
21	---	---	0.1008	2.20 B	4.81	0.777	5.50	3.82	0.778	0.462	---	---	21
22	---	---	0.1208	2.30 B	5.03	0.780	5.32	3.75	0.787	0.462	---	---	22
23	---	---	0.1408	1.98 B	4.28	0.735	4.98	3.46	0.734	0.446	---	---	23
24	---	0.0488	0.1008	1.67 B	3.38	0.688	3.71	3.01	0.687	0.458	---	---	24
25	---	0.0338	0.0808	1.56 B	2.84	0.667	4.29	2.89	0.880	0.461	---	---	25
26	---	0.0318	0.0408	1.32 B	2.36	0.638	3.84	2.49	0.838	0.467	---	---	26
27	---	0.0308	0.0208	1.26 B	2.03	0.627	4.82	2.16	0.812	0.477	---	---	27
28	---	0.0308	0.0188	1.20 B	1.78	0.653	5.48	1.90	0.803	0.4828	---	---	28
29	---		0.0208	1.18 B	1.60	1.36	4.84	1.76	0.848	0.4828	---	---	29
30	---		0.0288	1.17 B	1.33	1.72	3.88	1.70	0.840	0.4828	---	---	30
31	---		0.0288		1.10		3.28	1.85		0.5388	---	---	31
TOTAL	---	---	2.283	33.388	93.858	27.443	221.83	158.70	27.821	14.343	---	---	TOTAL
MEAN	---	---	0.074	1.06	1.74	0.915	7.19	5.12	0.921	0.463	---	---	MEAN
MAX	---	---	0.155	2.30	5.03	1.72	31.2	21.8	1.58	0.538	---	---	MAX
MIN	---	---	0.018	0.031	0.525	0.637	2.38	1.85	0.640	0.410	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.20
MAXIMUM DAILY, 31.2 ON JUL 10
MINIMUM DAILY, 0.0188 ON MAR 28
MAXIMUM INSTANTANEOUS,
32.8 AT 18:51 MST ON JUL 10

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 13 40 N
LONG 118 19 58 W
DRAINAGE AREA, 424 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL 19 300	
FEB	---	AUG 13 700	
MAR	187	SEP 2 380	
APR	2 800	OCT 1 240	
MAY	4 850	NOV ---	
JUN	2 370	DEC ---	

TOTAL DISCHARGE, 48 500 dam³

CLEAR RIVER NEAR BEAR CANYON - STATION NO. 07FD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0058	0.0288	58.4	14.8	0.588	0.887	3.00	7.888	---	---	1
2	---	---	0.0208	0.0268	50.8	12.8	0.667	0.559	2.48	7.288	---	---	2
3	---	---	0.0208	0.0308	44.8	10.3	0.925	0.584	2.48	6.308	---	---	3
4	---	---	0.0208	0.0378	42.6	8.52	2.17	0.548	2.80	6.348	---	---	4
5	---	---	0.0208	0.0418	38.9	7.36	3.10	0.883	2.87	5.04	---	---	5
6	---	---	0.0208	0.0438	34.8	6.69	3.14	1.27	7.88	4.63	---	---	6
7	---	---	0.0218	0.0808	32.6	6.11	3.18	0.710	8.04	4.17	---	---	7
8	---	---	0.0238	0.0738	29.9	5.84	4.88	0.643	6.38	3.72	---	---	8
9	---	---	0.0238	0.1278	28.8	5.72	3.67	0.618	5.20	3.37	---	---	9
10	---	---	0.0238	0.2238	24.7	5.48	2.78	0.648	4.28	3.28	---	---	10
11	---	---	0.0238	2.00 B	23.8	5.08	2.07	3.78	3.67	3.18	---	---	11
12	---	---	0.0238	4.00 B	21.2	4.47	1.58	4.77	3.12	3.03	---	---	12
13	---	---	0.0238	8.50 B	18.8	3.87	1.18	3.88	2.88	2.85	---	---	13
14	---	---	0.0218	8.30 B	18.7	3.34	0.838	3.18	2.21	2.88	---	---	14
15	---	---	0.0208	8.00 B	17.2	2.88	0.682	2.88	2.02	2.38	---	---	15
16	---	---	0.0208	8.80 B	15.8E	2.82	0.883	3.88 A	1.88	1.748	---	---	16
17	---	---	0.0208	8.50 B	14.0E	2.18	0.803	12.2 A	2.08	2.088	---	---	17
18	---	---	0.0208	26.0 E	12.8E	1.98	0.885	8.08 A	2.08	2.048	---	---	18
19	---	---	0.0208	35.1 A	12.0E	1.58	1.14	7.44 A	2.15	1.878	---	---	19
20	---	---	0.0208	93.3 A	12.8E	1.26	1.00	8.04	2.14	1.888	---	---	20
21	---	---	0.0208	87.0 A	13.3E	1.11	0.728	7.23	2.02	1.838	---	---	21
22	---	---	0.0208	83.5	14.4E	1.00	0.781	6.34	2.01	1.488	---	---	22
23	---	---	0.0218	87.2	15.8A	1.33	0.837	6.15	2.08	1.478	---	---	23
24	---	---	0.0238	74.8	18.2	1.88	0.732	13.0	2.15	1.488	---	---	24
25	---	---	0.0288	82.9	21.0	1.15	0.720	8.88	1.82	1.378	---	---	25
26	---	---	0.0268	87.7	20.8	0.884	0.730	7.48	1.88	1.288	---	---	26
27	---	---	0.0268	82.7	21.0	0.811	0.874	5.84	1.58	1.288	---	---	27
28	---	---	0.0278	82.1	20.7	0.713	1.18	4.87	1.38	1.028	---	---	28
29	---	---	0.0268	84.7	20.3	0.824	0.986	4.38	1.47	1.008	---	---	29
30	---	---	0.0268	88.3	18.0	0.884	0.810	3.78	4.33	1.488	---	---	30
31	---	---	0.0288		17.0		0.888	3.46		1.578	---	---	31
TOTAL	---	---	0.878	887.178	784.0	122.888	44.777	138.878	88.81	80.08	---	---	TOTAL
MEAN	---	---	0.022	28.8	24.3	4.08	1.44	4.47	2.88	2.81	---	---	MEAN
MAX	---	---	0.028	87.0	88.4	14.8	4.88	13.0	8.04	7.88	---	---	MAX
MIN	---	---	0.005	0.028	12.0	0.884	0.888	0.818	1.38	1.00	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.88
MAXIMUM DAILY, 87.0A ON APR 21
MINIMUM DAILY, 0.0058 ON MAR 1
MAXIMUM INSTANTANEOUS,
113 AT 18:00 MST ON APR 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 18 32 N
LONG 118 40 44 W
DRAINAGE AREA, 2 880 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 870
FEB	---	AUG	12 000
MAR	88.4	SEP	7 780
APR	78 700	OCT	7 780
MAY	85 100	NOV	---
JUN	10 800	DEC	---

TOTAL DISCHARGE, 184 000 dam³

REMARKS - PEAK DISCHARGE WAS DERIVED FROM HIGH WATER MARK

CLEARWATER RIVER ABOVE CHRISTINA RIVER - STATION NO. 07CD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	48.38	42.88	42.78	41.88	143	142	92.8	88.8	88.3	82.8	78.88	78.28	1
2	48.78	42.48	42.88	42.18	161	138	110	88.8	88.2	84.7	78.88	88.88	2
3	48.88	41.88	42.78	42.38	158	130	128	88.4	84.8	88.8	71.88	88.48	3
4	48.78	41.48	42.38	42.88	141	128	142	84.8	84.8	84.2	72.88	88.78	4
5	48.88	41.28	42.38	43.08	132	131	148	83.3	84.8	82.3	74.08	87.18	5
6	80.08	41.08	42.38	43.88	127	118	158	80.7	84.8	80.8	73.08	88.38	6
7	48.48	40.88	42.38	44.88	128	120	148	78.3	88.2	88.4	71.08	83.88	7
8	48.28	40.78	42.18	45.88	134	118	140	78.8	88.8	88.8	88.88	81.88	8
9	48.08	40.88	41.88	45.88	132	118	138	78.1	88.2	87.3	88.08	80.48	9
10	48.08	41.48	41.88	48.48	122	117	128	73.3	88.8	87.8	88.88	88.88	10
11	47.88	41.78	41.88	48.78	121	118	123	71.8	88.2	87.2	88.08	88.48	11
12	48.78	41.88	42.18	47.28	122	111	117	70.1	88.8	88.8	83.88	88.88	12
13	48.18	41.88	42.48	47.88	120	107	112	88.7	88.8	88.4	80.88	88.28	13
14	48.88	41.88	42.48	80.18	118	103	108	88.8	87.2	88.4	81.08	87.88	14
15	48.88	41.88	42.28	82.88	118	100	101	88.8	87.2	84.8	82.08	88.08	15
16	48.18	41.48	42.08	82.88	112	97.2	88.2	88.8	88.2	83.8	83.88	88.28	16
17	48.18	41.18	42.18	84.08	112	84.8	82.2	84.8	78.8	83.1	88.88	88.28	17
18	45.88	41.18	41.88	88.48	132	82.7	87.8	83.8	74.1	82.8	87.88	88.28	18
19	45.48	41.08	42.28	88.88	143	81.8	84.8	83.4	77.3	82.1	88.78	88.78	19
20	48.08	41.28	41.88	88.88	188	88.7	82.7	83.8	78.4	81.8	88.08	88.88	20
21	48.18	40.88	41.88	88.18	204	80.4	81.8	82.8	88.7	81.4	87.08	84.08	21
22	44.88	40.88	41.48	88.88	226	81.4	77.4	84.1	81.8	88.7	88.38	84.28	22
23	44.38	41.38	41.18	78.78	238	82.8	78.8	88.7	82.8	88.3	88.38	84.18	23
24	44.18	41.28	48.88	78.88	232	81.8	78.1	87.1	83.2	78.8	88.08	84.18	24
25	44.08	42.18	48.88	87.08	218	81.2	72.4	88.4	83.2	78.8	84.48	84.08	25
26	43.88	42.48	48.88	87.08	203	81.8	71.8	88.8	82.8	78.3	83.48	84.38	26
27	44.28	42.88	48.88	107 B	188	81.8	73.2	88.4	81.4	78.3	82.88	84.48	27
28	44.08	42.78	41.08	118 B	177	88.8	74.3	88.8	88.4	78.3	84.28	88.08	28
29	43.88		41.18	128	188	88.7	78.1	88.2	78.8	78.3	88.88	88.88	29
30	43.48		41.88	137	188	88.7	78.8	88.3	84.4	78.3	87.78	88.88	30
31	43.48		41.78		148		78.7	87.1		77.88		88.78	31
TOTAL	1 438.3	1 182.3	1 288.8	1 881.8	4 781	3 181.8	3 184.8	2 218.0	2 174.8	2 828.8	2 818.2	1 828.8	TOTAL
MEAN	48.4	41.8	41.8	63.4	184	185	182	71.8	72.8	84.8	87.8	88.8	MEAN
MAX	88.8	42.8	42.8	137	238	142	188	88.8	84.4	88.8	78.8	78.1	MAX
MIN	43.4	48.7	48.8	41.8	112	88.7	71.8	82.8	84.8	77.8	88.8	84.8	MIN

SUMMARY FOR THE YEAR 1989

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 78.8
MAXIMUM DAILY, 238 ON MAY 23
MINIMUM DAILY, 40.88 ON MAR 28
MAXIMUM INSTANTANEOUS,
241 AT 12:28 MST ON MAY 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 28 48 N
LONG 118 88 48 W
DRAINAGE AREA, 17 888 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	124 888	JUL	272 888
FEB	188 888	AUG	181 888
MAR	112 888	SEP	188 888
APR	184 888	OCT	227 888
MAY	411 888	NOV	174 888
JUN	273 888	DEC	158 888

TOTAL DISCHARGE, 2 488 888 dam³

CLEARWATER RIVER ABOVE LIMESTONE CREEK - STATION NO. 08DB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	18.5 B	12.0	20.8	20.8	30.7	14.8	9.888	---	1
2	---	---	---	---	17.4 B	18.0	19.8	24.6	30.3	14.5	---	---	2
3	---	---	---	---	14.3 B	17.2	17.8	26.8	31.3	14.1	---	---	3
4	---	---	---	---	14.0	17.6	18.5	25.8	28.3	13.8	---	---	4
5	---	---	---	---	14.6	20.8	17.3	25.3	30.6	13.6	---	---	5
6	---	---	---	---	18.2	28.1	18.7	22.7	28.7	13.8	---	---	6
7	---	---	---	---	23.1	30.8	18.7	21.3	30.4	13.4	---	---	7
8	---	---	---	---	21.3	27.3	18.7	21.4	34.8	13.0	---	---	8
9	---	---	---	---	21.8	25.5	20.3	21.9	33.0	12.6	---	---	9
10	---	---	---	---	22.1	28.6	20.8	23.6	30.9	13.1	---	---	10
11	---	---	---	---	20.8	28.8	24.2	23.1	27.8	13.8	---	---	11
12	---	---	---	---	18.6	30.0	28.0	20.8	26.8	13.3	---	---	12
13	---	---	---	---	14.3	32.4	32.5	20.8	24.6	13.0	---	---	13
14	---	---	---	---	12.4	34.6	30.0	20.8	22.2	12.7	---	---	14
15	---	---	---	---	11.3	37.2	28.6	20.4	22.8	12.2	---	---	15
16	---	---	---	---	11.0	42.4	32.8	31.0	22.4	11.8	---	---	16
17	---	---	---	---	11.4	34.6	32.0	45.6	23.0	10.8	---	---	17
18	---	---	---	---	10.8	26.3	28.3	38.8	22.6	11.1	---	---	18
19	---	---	---	---	10.4	21.6	23.0	42.4	21.6	11.1	---	---	19
20	---	---	---	---	9.84	20.1	23.1	46.3	20.2	10.8	---	---	20
21	---	---	---	---	9.10	18.1	27.5	40.3	18.1	10.7	---	---	21
22	---	---	---	---	8.81	17.0	27.6	36.2	18.1	10.4	---	---	22
23	---	---	---	---	8.49	17.1	23.6	32.6	17.7	10.4	---	---	23
24	---	---	---	---	9.34	17.6	21.3	30.2	17.2	10.3	---	---	24
25	---	---	---	---	9.57	19.6	20.3	29.1	16.7	10.0	---	---	25
26	---	---	---	---	9.24	19.2	19.6	26.7	16.2	9.83	---	---	26
27	---	---	---	---	9.44	20.8	19.1	26.6	15.6	9.54	---	---	27
28	---	---	---	---	9.28	20.1	21.1	26.8	15.5	9.42	---	---	28
29	---		---	---	8.89	19.2	22.8	30.1	15.1	9.61	---	---	29
30	---		---	---	8.76	19.0	21.8	28.6	15.1	9.67	---	---	30
31	---		---		9.18		20.8	33.2		9.308		---	31
TOTAL	---	---	---	---	411.92	718.1	733.1	892.6	709.2	384.67	---	---	TOTAL
MEAN	---	---	---	---	13.3	23.9	23.6	28.8	23.6	11.6	---	---	MEAN
MAX	---	---	---	---	23.1	42.4	36.0	46.8	34.8	14.8	---	---	MAX
MIN	---	---	---	---	8.49	12.0	18.7	20.4	15.1	8.81	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 20.6
MAXIMUM DAILY, 46.8 ON AUG 17
MINIMUM DAILY, 8.49 ON MAY 23
MAXIMUM INSTANTANEOUS,
53.2 AT 01:02 MST ON AUG 17

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 59 30 N
LONG 115 26 00 W
DRAINAGE AREA, 1 340 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	63 300
FEB	---	AUG	77 100
MAR	---	SEP	61 300
APR	---	OCT	31 600
MAY	38 600	NOV	---
JUN	82 000	DEC	---

TOTAL DISCHARGE, 331 000 dam³

CLEARWATER RIVER AT DRAPER - STATION NO. 07CD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	54.88	52.38	48.68	48.78	196	243	183	136	90.2	136	105 B	88.18	1
2	55.08	52.08	48.78	48.08	202	231	214	137	89.3	141	86.08	86.68	2
3	54.68	51.08	47.38	48.78	207	220	242	136	89.0	143	89.08	87.48	3
4	54.68	50.68	48.78	47.28	188	211	262	134	88.6	143	91.08	86.88	4
5	54.38	50.58	48.18	47.88	190	204	270	132	90.2	142	95.08	84.78	5
6	54.08	50.48	48.08	48.38	187	205	271	128	90.1	140	91.58	84.18	6
7	53.68	48.88	48.28	49.18	184A	204	268	125	91.0	138	89.08	83.28	7
8	53.68	48.48	48.48	49.88	184	202	280	121	91.6	137	87.08	78.88	8
9	52.08	48.78	48.78	50.38	181	202	282	117	91.7	134	85.08	78.78	9
10	51.28	50.58	48.08	50.78	180	201	240	113	92.1	133	83.08	78.18	10
11	50.48	51.08	48.38	51.08	180	198	228	108	91.7	130	81.58	74.58	11
12	48.78	50.08	48.08	51.08	183	196	217	107	92.1	128	78.68	74.28	12
13	50.38	48.88	46.28	51.08	183	193	207	103	92.8	126	76.08	73.88	13
14	49.58	48.18	46.48	54.08	180	188	198	100	93.0	125	77.08	73.58	14
15	50.38	48.48	48.18	58.88	177	178	188	97.6	93.7	126	78.08	73.28	15
16	51.88	48.48	44.78	58.38	173	173	178	95.0	95.0	124	80.08	72.88	16
17	52.28	48.08	45.28	60.08	172	170	185	92.7	96.1	123	82.58	71.68	17
18	52.38	47.88	45.18	65.48	182	168	187	91.0	102	122	84.08	71.08	18
19	52.18	47.88	45.18	67.88	206	169	180	88.9	107	121	87.58	71.08	19
20	52.38	48.08	45.08	70.28	253	177	148	88.2	111	120	88.58	70.88	20
21	52.78	47.38	44.68	78.88	318	188	142	88.6	114	120	85.08	68.58	21
22	52.78	48.98	44.58	100 B	357	195	138	88.3	116	118	83.58	66.38	22
23	52.18	47.38	44.58	110 B	370	188	134	91.7	118	118	82.88	66.28	23
24	52.18	47.28	43.38	122 B	384	201	132	92.6	120	118	82.58	66.28	24
25	52.48	47.78	42.78	133 B	380	200	138	94.0	121	118	81.88	66.08	25
26	52.58	48.08	43.08	148 B	331	195	137	95.6	121	118	81.08	66.68	26
27	53.68	48.68	43.48	160 B	312	196	136	93.6	118	116	80.58	69.08	27
28	53.88	48.08	44.28	171 B	284	192	137	92.4	116	1178	85.28	69.08	28
29	53.38		45.08	181	278	186	136	93.2	117	1188	86.08	69.28	29
30	52.38		45.88	188	288	182	133	92.8	126	1138	87.88	68.88	30
31	52.48		46.08		284		133	91.1		1108		70.28	31
TOTAL	1 628.0	1 376.7	1 403.1	2 486.1	7 305	5 888	5 785	3 288.6	3 071.1	3 918	2 555.6	2 320.7	TOTAL
MEAN	52.5	48.3	45.3	82.0	236	196	187	105	102	126	85.2	74.8	MEAN
MAX	55.0	52.3	47.3	188	370	243	271	136	126	143	105	86.8	MAX
MIN	48.8	48.9	42.7	48.7	172	166	122	88.2	88.0	110	78.0	88.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 112
MAXIMUM DAILY, 370 ON MAY 23
MINIMUM DAILY, 42.78 ON MAR 26
MAXIMUM INSTANTANEOUS,
372 AT 18:24 MST ON MAY 23

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 41 07 N
LONG 115 15 15 W
DRAINAGE AREA, 30 800 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	141 000	JUL	500 000
FEB	118 000	AUG	262 000
MAR	121 000	SEP	256 000
APR	212 000	OCT	338 000
MAY	631 000	NOV	221 000
JUN	507 000	DEC	201 000

TOTAL DISCHARGE, 3 540 000 dam³

CLEARWATER RIVER NEAR DOVERCOURT - STATION NO. 08DB006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.868	4.228	4.118	4.008	20.7	13.5	24.4	33.8	43.8	21.0	13.8	12.8 B	1
2	3.868	4.088	3.808	4.208	25.8	18.2	24.8	30.4	42.8	20.4	13.7	11.5 B	2
3	3.808	3.988	3.488	4.758	24.7	18.1	23.5	41.1	46.8	19.8	13.5	10.0 B	3
4	3.458	3.858	3.858	5.308	22.5	19.7	21.7	41.7	44.0	19.4	13.8	8.808	4
5	3.408	3.728	3.878	5.848	22.4	20.4	21.3	37.4	41.8	18.8	13.8	7.808	5
6	3.408	3.838	3.848	6.188	23.8	23.9	20.4	34.1	42.7	18.8	13.8	8.608	6
7	3.358	3.848	3.848	6.288	25.8	30.5	19.8	29.8	41.8	18.8	13.2	8.208	7
8	3.308	3.858	4.008	6.488	33.8	32.3	18.6	27.4	44.8	18.3	12.8	8.808	8
9	3.308	3.908	4.188	6.888	32.1	30.8	21.2	26.5	47.0	17.8	12.8	8.808	9
10	3.208	3.708	4.178	7.288	32.1	30.2	23.4	27.9	46.7	18.2	13.0	8.208	10
11	3.208	3.808	4.028	8.738	31.8	32.8	30.7	28.2	43.1	18.8	13.3	8.898	11
12	3.258	3.858	3.768	12.4 B	29.2	32.2	47.8	27.2	40.0	18.8	13.1	7.818	12
13	3.358	4.068	3.748	13.0 B	25.2	32.8	47.2	25.8	37.4	18.7	12.88	8.038	13
14	3.458	4.108	3.858	13.2 B	23.2	34.5	41.8	25.4	35.1	18.0	12.88	8.218	14
15	3.898	4.068	3.908	13.0 B	20.0	37.1	36.8	25.1	33.4	18.2	12.48	8.868	15
16	3.708	4.088	3.928	13.0	18.8	43.8	38.0	27.5	32.1	17.7	12.28	8.338	16
17	3.488	4.088	3.728	10.8	18.2	47.1	38.4	47.8	32.8	18.8	11.88	8.888	17
18	3.858	4.158	3.488	10.0	18.0	39.8	37.1	58.4	33.2	18.1	11.8	4.858	18
19	4.068	4.278	3.878	10.8	18.4	32.3	31.8	51.8	31.8	18.0	12.2	3.838	19
20	4.208	4.448	3.818	11.0	17.3	28.3	28.8	52.2	28.8	18.8	12.8	3.708	20
21	4.408	4.488	3.718	12.8	15.8	26.4	28.1	53.2	28.0	18.8	12.3	3.048	21
22	4.508	4.538	3.848	17.8	14.8	23.8	33.2	48.8	26.4	18.3	12.88	2.888	22
23	4.708	4.628	4.108	18.0	14.4	23.2	30.0	46.4	25.3	18.1	13.48	2.888	23
24	5.008	4.888	4.188	15.4	14.7	22.8	26.8	41.7	24.7	18.2	14.38	8.148	24
25	5.208	4.888	4.248	14.0	15.0	24.8	24.3	39.8	23.8	18.1	15.88	8.878	25
26	5.488	4.378	4.288	12.8	14.8	25.4	23.0	38.3	23.2	15.4	18.48	10.9 B	26
27	5.708	4.308	4.278	12.4	14.8	30.8	22.0	38.3	22.8	15.1	17.88	10.7 B	27
28	5.858	4.248	4.248	11.7	14.8	28.8	21.8	38.0	22.0	14.8	18.88	11.4 B	28
29	5.888		4.188	12.2	14.1	26.2	23.7	40.7	21.4	14.4	18.38	10.7 B	29
30	5.878		4.128	15.1	13.4	24.2	25.8	40.4	20.8	14.1	14.38	8.288	30
31	4.288		4.008		13.3		24.7	41.2		14.1		8.748	31
TOTAL	127.84	114.81	121.72	314.88	648.4	851.4	884.8	1 156.8	1 027.8	533.3	410.0	238.74	TOTAL
MEAN	4.12	4.08	3.83	10.5	20.9	28.4	28.5	37.3	34.3	17.2	13.7	7.84	MEAN
MAX	5.88	4.83	4.37	18.0	32.8	47.1	47.8	58.4	47.0	21.0	18.8	12.8	MAX
MIN	3.20	3.84	3.48	4.00	13.3	13.8	18.8	23.8	20.8	14.1	11.8	3.88	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 17.8
MAXIMUM DAILY, 58.4 ON AUG 18
MINIMUM DAILY, 2.888 ON DEC 23
MAXIMUM INSTANTANEOUS,
60.2 AT 00:19 MST ON AUG 18

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 15 08 N
LONG 114 51 14 W
DRAINAGE AREA, 2 230 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	11 000	JUL	78 400
FEB	9 880	AUG	88 800
MAR	10 500	SEP	88 800
APR	27 200	OCT	46 100
MAY	55 800	NOV	35 400
JUN	73 800	DEC	20 500

TOTAL DISCHARGE, 555 000 dam³

COAL CREEK AT BOW CITY - STATION NO. 05BN014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.085A	0.430	0.148	0.122	0.110	0.128	0.0038	---	1
2	---	---	---	---	0.008	0.484	0.151	0.130	0.105	---	---	---	2
3	---	---	---	---	0.005	0.543	0.178	0.408	0.183	---	---	---	3
4	---	---	---	---	0.005	0.387	0.088	0.438	0.157	---	---	---	4
5	---	---	---	---	0.005	0.387	0.082	0.313	0.158	---	---	---	5
6	---	---	---	---	0.005	0.273	0.073	0.385	0.167	---	---	---	6
7	---	---	---	---	0.005	0.288	0.088	0.458	0.182	---	---	---	7
8	---	---	---	---	0.005	0.224	0.068	0.410	0.183	---	---	---	8
9	---	---	---	---	0.885	0.220	0.072	0.804	0.170	---	---	---	9
10	---	---	---	---	0.826	0.180	0.118	0.377	0.178	---	---	---	10
11	---	---	---	---	0.823	0.178	0.128	0.317	0.181	---	---	---	11
12	---	---	---	---	0.481	0.181	0.158	0.284	0.178	---	---	---	12
13	---	---	---	---	0.325	0.185	0.242	0.278	0.173	---	---	---	13
14	---	---	---	---	0.324	0.205	0.258	0.253	0.178	---	---	---	14
15	---	---	---	---	0.318	0.212	0.251	0.264	0.184	---	---	---	15
16	---	---	---	---	0.314	0.284	0.428	0.360	0.180	---	---	---	16
17	---	---	---	---	0.287	0.303	0.385	0.388	0.188	---	---	---	17
18	---	---	---	---	0.181	0.184	0.147	0.417	0.128	---	---	---	18
19	---	---	---	---	0.363	0.348	0.189	0.322	0.088	---	---	---	19
20	---	---	---	---	0.378	0.388	0.153	0.232	0.080	---	---	---	20
21	---	---	---	---	0.234	0.381	0.188	0.147	0.084	---	---	---	21
22	---	---	---	---	0.228	0.303	0.220	0.088	0.081	---	---	---	22
23	---	---	---	---	0.144	0.353	0.283	0.157	0.044	---	---	---	23
24	---	---	---	---	0.084	0.353	0.283	0.188	0.038	---	---	---	24
25	---	---	---	---	0.071	0.278	0.310	0.205	0.032	---	---	---	25
26	---	---	---	---	0.043	0.284	0.340	0.303	0.142	---	---	---	26
27	---	---	---	---	0.402	1.25	0.401	0.362	0.821	---	---	---	27
28	---	---	---	---	0.306	1.12	0.278	0.377	0.483	---	---	---	28
29	---		---	---	0.235	0.227	0.188	0.322	0.438	---	---	---	29
30	---		---	---	0.188	0.188	0.178	0.138	0.408	---	---	---	30
31	---		---		0.261		0.188	0.121		---		---	31
TOTAL	---	---	---	---	7.080	10.805	5.248	5.084	5.335	---	---	---	TOTAL
MEAN	---	---	---	---	0.228	0.384	0.202	0.282	0.178	---	---	---	MEAN
MAX	---	---	---	---	0.823	1.25	0.428	0.804	0.821	---	---	---	MAX
MIN	---	---	---	---	0.005	0.184	0.068	0.088	0.032	---	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 25 50 N
LONG 112 13 40 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	540
FEB	---	AUG	783
MAR	---	SEP	461
APR	---	OCT	---
MAY	813	NOV	---
JUN	818	DEC	---

COAL LAKE RESERVOIR NEAR WETASKIWIN - STATION NO. 05PA015

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	702.504	702.507	702.520	702.586	702.883A	702.943	702.804	702.748	702.714	702.849	702.833	702.847	1
2	702.504	702.532	702.518	702.605	702.975	702.939	702.802	702.744	702.718	702.834	702.838	702.848	2
3	702.489	702.518	702.480	702.618	702.868	702.832	702.785	702.751	702.728	702.830	702.838	702.850	3
4	702.481	702.502	702.480	702.662	702.858	702.828	702.788	702.744	702.714	702.839	702.841	702.851	4
5	702.489	702.501	702.507	702.884	702.848	702.828	702.784	702.734	702.722	702.831	702.837	702.851	5
6	702.489	702.500	702.485	702.880	702.883	702.828	702.788	702.723	702.723	702.825	702.836	702.852	6
7	702.487	702.508	702.478	702.707	702.843	702.814	702.788	702.724	702.721	702.824	702.838	702.853	7
8	702.488	702.516	702.480	702.872	702.840	702.808	702.805	702.727	702.714	702.821A	702.846	702.857	8
9	702.485	702.523	702.488	702.832	702.930	702.813	702.800	702.722	702.707	---	702.832	702.857	9
10	702.482	702.515	702.482	702.878	702.918	702.814	702.788	702.718	702.888	---	702.851	702.851	10
11	702.480	702.513	702.488	703.006	702.823	702.908	702.811	702.719	702.883	---	702.838	702.858	11
12	702.479	702.522	702.482	703.038	702.818	702.898	702.807	702.713	702.888	---	702.831	702.859	12
13	702.478	702.524	702.483	---	702.808	702.886	702.807	702.708	702.886	---	702.831	702.856	13
14	702.474	702.508	702.482	---	702.907	702.871	702.814	702.709	702.889	---	702.830	702.853	14
15	702.472	702.500	702.478	---	702.901	702.875	702.818	702.712	702.888	---	702.827	702.858	15
16	702.471	702.502	702.491	---	702.901	702.888	702.828	702.730	702.890	---	702.827	702.867	16
17	702.487	702.510	702.510	---	702.893	702.880	702.831	702.732	702.888	---	702.827	702.871	17
18	702.487	702.510	702.518	---	702.882	702.858	702.823	702.748	702.872	---	702.830	702.870	18
19	702.484	702.508	702.483	---	702.838	702.858	702.821	702.738	702.873	---	702.832	702.871	19
20	702.486	702.500	702.550	---	702.938	702.840	702.824	702.737	702.889	---	702.832	702.872A	20
21	702.481	702.507	702.574	---	702.928	702.826	702.828	702.740	702.873	---	702.836	---	21
22	702.468	702.530	702.588	---	702.921	702.824	702.815	702.740	702.845	---	702.838	---	22
23	702.458	702.513	702.542	---	702.915	702.812	702.811	702.742	702.880	---	702.840	---	23
24	702.457	702.503	702.537	---	702.928	702.805	702.802	702.729	702.889	---	702.841	---	24
25	702.458	702.498	702.531	---	702.930	702.803	702.770	702.727	702.848	---	702.842	---	25
26	702.484	702.510	702.510	---	702.935	702.783	702.761	702.723	702.851	---	702.843	---	26
27	702.447	702.504	702.513	---	702.937	702.797	702.753	702.718	702.858	---	702.843	---	27
28	702.463	702.504	702.518	---	702.938	702.803	702.757	702.715	702.849	---	702.845	---	28
29	702.480		702.525	---	702.938	702.802	702.764	702.715	702.848	---	702.845	---	29
30	702.497		702.542	---	702.941	702.802	702.761	702.720	702.889	702.885A	702.847	---	30
31	702.507		702.552		702.942		702.752	702.719		702.845		---	31
MEAN	702.478	702.510	702.510	---	702.931	702.887	702.797	702.728	702.885	---	702.837	---	MEAN
MAX	702.507	702.532	702.574	---	702.983	702.943	702.831	702.751	702.728	---	702.851	---	MAX
MIN	702.447	702.488	702.485	---	703.882	702.783	702.751	702.708	702.848	---	702.827	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 00 07 N
LONG 113 13 08 W

A - MANUAL GAUGE

REGULATED SINCE 1973

DRAINAGE AREA.
1 240 km²

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

COLD LAKE AT COLD LAKE - STATION NO. 05AF002

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	534.812E	534.841	534.823	534.880	534.884	534.884	535.000	534.878	534.887	534.844A	534.785	534.752	1
2	534.812E	534.842	534.823	534.888	534.898	534.870	535.002	534.878	534.878	534.817E	534.781	534.738	2
3	534.812E	534.842	534.822	534.887	534.898	534.870	534.998	534.867	534.888	534.881E	534.782	534.737	3
4	534.812E	534.842	534.818	534.887	534.883	534.872	535.003	534.881	534.871	534.888A	534.787	534.744	4
5	534.812E	534.842	534.820	534.887	534.890	534.876	534.998	534.868	534.877	534.885	534.784	534.770	5
6	534.812E	534.843	534.818	534.888	534.883	534.878	534.891	534.880	534.883	534.843	534.781	534.742	6
7	534.812E	534.840	534.818	534.888	534.883	534.882	534.891	534.880	534.881	534.840	534.782	534.732	7
8	534.812E	534.841	534.815	534.888	534.898	534.885	535.033	534.888	534.888	534.841	534.782	534.742	8
9	534.812E	534.840	534.812	534.886	534.898	534.888	535.011	534.883	534.883	534.838	534.780	534.738A	9
10	534.813A	534.837	534.810	534.882	534.908	535.002	535.007	534.888	534.872	534.830	534.800	534.728A	10
11	534.812	534.838	534.811	534.882	534.902	534.888	535.007	534.844	534.848	534.827	534.778	534.731	11
12	534.816	534.838	534.810	534.881	534.904	534.884	535.002	534.847	534.842	534.828	534.772	534.736	12
13	534.816	534.834	534.810	534.884	534.907	534.881	535.000	534.855	534.847	534.827	534.772	534.738	13
14	534.815	534.831	534.808	534.881	534.910	534.887	535.002	534.848	534.844	534.828	534.767	534.736	14
15	534.815	534.830	534.804	534.883	534.912	534.892	535.001	534.868	534.844	534.828	534.764	534.737	15
16	534.818	534.830	534.804	534.888	534.910	534.880	534.887	534.858	534.848	534.821	534.778	534.739	16
17	534.822	534.830	534.804	534.888	534.910	534.896	535.000	534.858	534.845	534.817	534.782	534.737	17
18	534.826	534.830	534.903	534.887	534.917	534.892	534.881	534.878	534.833	534.815	534.783	534.738	18
19	534.828	534.832	534.902	534.888	534.882	534.898	534.888	534.848	534.832	534.812	534.788	534.736	19
20	534.828	534.828	534.901	534.888	534.838	534.888	534.888	534.840	534.833	534.812	534.748	534.733	20
21	534.829	534.828	534.900	534.887	534.827	534.880	534.887	534.845	534.848	534.812	534.783	534.735	21
22	534.828	534.829	534.898	534.888	534.843	534.888	535.004	534.882	534.823	534.813	534.782	534.736	22
23	534.825	534.827	534.897	534.883	534.848	534.885	534.888	534.884	534.813	534.814	534.748	534.736	23
24	534.830	534.830	534.888	534.882	534.888	534.888	534.888	534.888	534.821	534.808	534.745	534.738	24
25	534.832	534.828	534.898	534.884	534.887	535.008	534.882	534.882	534.810	534.806	534.784	534.739	25
26	534.835	534.828	534.887	534.885	534.885	535.010	534.878	534.884	534.807	534.828	534.738	534.742	26
27	534.832	534.824	534.884	534.888	534.888	535.011	534.881	534.873	534.808	534.816	534.738	534.745	27
28	534.824	534.822	534.885	534.887	534.885	535.002	534.879	534.877	534.803	534.808	534.738	534.748	28
29	534.836		534.883	534.889	534.888	534.888	534.878	534.878	534.806	534.787	534.738	534.748	29
30	534.838		534.882	534.881	534.884	534.888	534.878	534.888	534.842	534.833	534.740	534.748	30
31	534.838		534.880		534.885	534.884	534.879	534.885		534.820		534.748	31
					534.857		534.877	534.880					
MEAN	534.821	534.834	534.808	534.888	534.823	534.880	534.885	534.868	534.847	534.824	534.788	534.740	MEAN
MAX	534.838	534.843	534.823	534.881	534.888	535.011	534.033	534.888	534.888	534.844	534.800	534.770	MAX
MIN	534.812	534.822	534.880	534.881	534.880	534.884	534.878	534.840	534.803	534.787	534.738	534.729	MIN

WATER LEVELS IN METRES

MEAN, 534.801
MAXIMUM DAILY, 535.033 ON JUL 8
MINIMUM DAILY, 534.728A ON DEC 10
MAXIMUM INSTANTANEOUS,
535.084 AT 18:22 MST ON JUL 8

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 28 15 N
LONG 110 10 55 W

A - MANUAL GAUGE

E - ESTIMATED

DRAINAGE AREA.
8 810 km²

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

COLOUHOUN CREEK NEAR GRANDE PRAIRIE - STATION NO. 07EE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1980

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0.0208	0.018	0.003	0.001	0	0.001	0.002	0.0018	---	1
2	---	---	0B	0.0408	0.018	0.001	0.001	0.001	0.001	0.002	---	---	2
3	---	---	0B	0.1008	0.018	0	0.001	0.003	0	0.002	---	---	3
4	---	---	0B	0.1708	0.017	0	0.001	0.002	0	0.002	---	---	4
5	---	---	0B	0.3508	0.017	0	0	0.001	0	0.002	---	---	5
6	---	---	0B	0.5828	0.018	0	0	0.001	0.001	0.002	---	---	6
7	---	---	0B	0.6118	0.018	0	0	0.001	0	0.002	---	---	7
8	---	---	0B	0.4858	0.018	0	0.001	0	0	0.001	---	---	8
9	---	---	0B	0.4088	0.013	0.001	0.001	0	0	0.001	---	---	9
10	---	---	0B	0.4348	0.010	0.001	0.008	0.002	0.001	0.001	---	---	10
11	---	---	0B	0.4638	0.004	0	0.027	0.001	0.008	0.001	---	---	11
12	---	---	0B	0.460	0	0	0.028	0	0.011	0.001	---	---	12
13	---	---	0B	0.338	0	0	0.027	0	0.008	0.001	---	---	13
14	---	---	0B	0.233	0	0	0.033	0	0.007	0.001	---	---	14
15	---	---	0B	0.182	0	0	0.041	0	0.004	0.001	---	---	15
16	---	---	0B	0.187	0	0	0.044	0	0.008	0	---	---	16
17	---	---	0B	0.123	0	0	0.038	0	0.007	0	---	---	17
18	---	---	0B	0.107	0.001	0	0.018	0	0.008	0	---	---	18
19	---	---	0B	0.077	0.004	0	0.008	0	0.005	0	---	---	19
20	---	0B	0B	0.080	0.004	0	0.008	0	0.003	0	---	---	20
21	---	0B	0B	0.043	0.008	0	0.023	0	0.003	0	---	---	21
22	---	0B	0B	0.034	0.008	0	0.011	0	0.003	0	---	---	22
23	---	0B	0B	0.018	0.004	0	0.004	0.001	0.008	0	---	---	23
24	---	0B	0B	0.014	0.007	0	0.002	0	0.003	0	---	---	24
25	---	0B	0B	0.021	0.008	0	0.001	0	0.003	0	---	---	25
26	---	0B	0B	0.019	0.004	0	0.001	0	0.002	0	---	---	26
27	---	0B	0B	0.021	0.004	0	0	0	0.001	0.001	---	---	27
28	---	0B	0B	0.024	0.010	0	0	0	0.001	0.001	---	---	28
29	---		0B	0.018	0.008	0	0	0.001	0	0.001	---	---	29
30	---		0B	0.018	0.007	0	0	0.001	0.005	0.0028	---	---	30
31	---		0B		0.004		0	0.001		0.0018		---	31
TOTAL	---	---	0	5.488	0.338	0.006	0.318	0.018	0.098	0.038	---	---	TOTAL
MEAN	---	---	0	0.183	0.006	0	0.010	0.001	0.003	0.001	---	---	MEAN
MAX	---	---	0	0.582	0.018	0.003	0.044	0.003	0.011	0.002	---	---	MAX
MIN	---	---	0	0.014	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.026
MAXIMUM DAILY, 0.582B ON APR 6
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.637B AT 12:55 MST ON APR 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 17 07 N
LONG 119 08 43 W
DRAINAGE AREA, 130 km²

B - ICE CONDITIONS

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	27.3
FEB	---	AUG	1.38
MAR	0	SEP	8.55
APR	474	OCT	2.42
MAY	20.4	NOV	---
JUN	0.52	DEC	---

TOTAL DISCHARGE, 535 dam³

COLUMBINE CREEK NEAR THE MOUTH - STATION NO. 05AA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1980

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0 B	0.045E	0.031	0.005	0	0.006	0	0.001	---	1
2	---	---	---	0 B	0.043E	0.031	0.003	0.001	0.008	0	---	---	2
3	---	---	---	0 B	0.041E	0.031	0.002	0	0.017	0	---	---	3
4	---	---	---	0 B	0.040E	0.028	0.002	0	0.010	0	---	---	4
5	---	---	---	0.0018	0.038E	0.028	0.001	0	0.013	0	---	---	5
6	---	---	---	0.003B	0.038E	0.028	0	0	0.015	0	---	---	6
7	---	---	---	0.006B	0.038E	0.036	0	0	0.011	0	---	---	7
8	---	---	---	0.007B	0.033E	0.031	0.002	0	0.010	0	---	---	8
9	---	---	---	0.007B	0.031E	0.034	0.002	0	0.008	0	---	---	9
10	---	---	---	0.010B	0.030E	0.053	0	0	0.008	0	---	---	10
11	---	---	---	0.008B	0.026	0.053	0.002	0	0.006	0	---	---	11
12	---	---	---	0.038B	0.032	0.038	0.003	0	0.004	0	---	---	12
13	---	---	---	0.088B	0.035	0.035	0.001	0	0.003	0	---	---	13
14	---	---	---	0.080B	0.034	0.021	0	0	0.002	0	---	---	14
15	---	---	---	0.084B	0.033	0.022	0	0	0.001	0	---	---	15
16	---	---	---	0.088B	0.033	0.018	0	0	0.003	0	---	---	16
17	---	---	---	0.089B	0.031	0.018	0.003	0.011	0.003	0	---	---	17
18	---	---	---	0.083B	0.032	0.014	0.004	0.007	0.002	0	---	---	18
19	---	---	---	0.084B	0.074	0.010	0.002	0.003	0.002	0	---	---	19
20	---	---	---	0.083B	0.078	0.007	0.001	0	0.001	0	---	---	20
21	---	---	---	0.081B	0.048	0.005	0	0	0.001	0	---	---	21
22	---	---	---	0.088B	0.042	0.001	0.002	0.002	0.001	0	---	---	22
23	---	---	---	0.088B	0.033	0	0	0.010	0.001	0	---	---	23
24	---	---	---	0.088B	0.031	0	0	0.005	0.001	0.001	---	---	24
25	---	---	---	0.084B	0.027	0	0	0.004	0	0.002	---	---	25
26	---	---	---	0.063B	0.027	0	0	0.004	0	0.002	---	---	26
27	---	---	---	0.051B	0.026	0.001	0	0.002	0	0.001	---	---	27
28	---	---	---	0.050B	0.025	0.001	0	0.002	0	0.003	---	---	28
29	---		---	0.044B	0.025	0.003	0	0.001	0	0.003	---	---	29
30	---		---	0.048B	0.025	0.005	0	0.001	0	0.004	---	---	30
31	---		---		0.025		0	0.003		0.002		---	31
TOTAL	---	---	---	1.344	1.115	0.574	0.038	0.086	0.138	0.018	---	---	TOTAL
MEAN	---	---	---	0.041	0.036	0.018	0.001	0.002	0.005	0.001	---	---	MEAN
MAX	---	---	---	0.088	0.078	0.053	0.005	0.011	0.017	0.004	---	---	MAX
MIN	---	---	---	0	0.025	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM INSTANTANEOUS,
0.111B AT 01:01 MST ON APR 13

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 21 21 N
LONG 111 08 22 W
DRAINAGE AREA, 341 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3.02
FEB	---	AUG	6.84
MAR	---	SEP	11.8
APR	107	OCT	1.96
MAY	98.3	NOV	---
JUN	49.6	DEC	---

REMARKS - DATA 1977-1981 CONTRIBUTED BY PROVINCE AND PUBLISHED UNDER 05AA801

COOKING LAKE AT COOKING LAKE - STATION NO. 05EB012

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	735.885	736.016	---	736.008	735.881	735.842	---	---	1
2	---	---	---	---	735.880	736.016	736.883	736.004	---	735.831	735.814	---	2
3	---	---	---	---	735.867	736.011	735.858	---	---	736.832	---	---	3
4	---	---	---	---	736.000	736.886	735.853	---	---	735.822	---	---	4
5	---	---	---	---	735.880	735.886	735.848	---	735.896	---	---	---	5
6	---	---	---	---	---	735.876	735.848	735.898	736.881	735.827	---	---	6
7	---	---	---	---	735.885	735.888	---	735.894	735.871	735.827	---	---	7
8	---	---	---	---	735.875	735.886	---	735.888	735.881	---	---	---	8
9	---	---	735.938	---	735.875	736.006	735.883	735.888	736.001	735.822	---	---	9
10	---	---	---	---	735.865	735.897	735.898	---	735.881	735.812	---	---	10
11	---	---	---	735.858	735.865	736.887	736.013	---	735.871	735.812	---	---	11
12	---	---	---	---	735.870	736.002	736.018	---	735.871	735.822	---	---	12
13	---	---	---	---	735.870	735.877	736.018	735.880	735.871	735.827	---	---	13
14	---	---	---	---	735.865	735.882	736.018	735.880	735.871	735.822	---	---	14
15	---	---	---	---	735.865	735.880	736.018	735.880	735.871	735.822	---	---	15
16	---	---	---	---	735.865	735.847	736.008	736.000	735.851	735.827	---	---	16
17	---	---	---	---	735.865	735.877	736.008	735.880	735.881	735.822	---	---	17
18	---	---	---	---	735.835	735.887	736.018	735.880	735.881	735.817	---	---	18
19	---	---	---	---	735.845	---	736.013	735.880	735.851	735.817	---	---	19
20	---	---	---	---	---	735.847	736.013	735.870	735.858	---	---	---	20
21	---	---	---	---	---	735.867	736.008	735.880	735.851	735.822	---	---	21
22	---	---	---	---	---	735.847	736.004	735.880	735.862	735.822	---	---	22
23	---	---	---	---	736.001	735.877	735.888	735.870	735.862	735.822	---	---	23
24	---	---	---	---	736.006	735.867	735.888	735.870	735.862	735.802	---	---	24
25	---	---	---	---	736.011	735.867	735.888	735.888	735.847	735.817	---	---	25
26	---	---	---	---	735.895	735.877	735.888	735.885	735.847	---	---	---	26
27	---	---	---	---	---	735.867	736.018	735.885	735.842	735.812	---	---	27
28	---	---	---	---	---	736.882	---	---	735.842	735.802	---	---	28
29	---		---	---	736.001	735.867	---	735.870	735.842	735.812	---	---	29
30	---		---	---	735.006	735.867	736.018	735.880	735.812	735.812	---	---	30
31	---		---		735.888		736.008	735.880		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 24 58 N
LONG 113 07 15 W

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

DRAINAGE AREA, 198 km²

COTTONWOOD CREEK NEAR TWIN BUTTE - STATION NO. 05AD803

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.185E	0.487	0.889	0.215	0.155	0.287	0.148E	---	---	1
2	---	---	---	0.185E	0.545	0.628	0.203	0.151	0.288	0.184E	---	---	2
3	---	---	---	0.185E	0.857	0.555	0.187	0.152	0.241	0.188E	---	---	3
4	---	---	---	0.185E	0.454	0.857	0.174	0.155	0.194	0.164E	---	---	4
5	---	---	---	0.188	0.378	0.454	0.174	0.212	0.233	0.189E	---	---	5
6	---	---	---	0.211	0.387	0.385	0.163	0.118	0.345	0.174E	---	---	6
7	---	---	---	0.458	0.420	0.343	0.154	0.134	0.260	0.178E	---	---	7
8	---	---	---	0.329	0.432	0.329	0.145	0.246	0.278	0.164E	---	---	8
9	---	---	---	0.155	0.426	0.327	0.140	0.208	0.303	0.188E	---	---	9
10	---	---	---	0.155	0.427	0.704	0.151	0.187	0.365	0.184E	---	---	10
11	---	---	---	0.189	0.414	2.11	0.175	0.172	0.335	0.189	---	---	11
12	---	---	---	0.321	0.388	1.30	0.187	0.178	0.232	0.205	---	---	12
13	---	---	---	0.302	0.383	0.707	0.313	0.175	0.176	0.183	---	---	13
14	---	---	---	0.318	0.376	0.487	0.678	0.234	0.155	0.180	---	---	14
15	---	---	---	0.370	0.368	0.438	0.312	0.231	0.140	0.181	---	---	15
16	---	---	---	0.417	0.380	0.389	0.204	0.187	0.138	0.172	---	---	16
17	---	---	---	0.316	0.369	0.340	0.183	0.188	0.172	0.186	---	---	17
18	---	---	---	0.384	0.344	0.316	0.151	0.188	0.310	0.183	---	---	18
19	---	---	---	0.383	0.341	0.312	0.141	0.189	0.280	0.189	---	---	19
20	---	---	---	0.382	0.330	0.314	0.155	0.188	0.180	0.187	---	---	20
21	---	---	---	0.309	0.287	0.284	0.188	0.182	0.181	0.181	---	---	21
22	---	---	---	0.291	0.288	0.283	0.150	0.180	0.184	0.181	---	---	22
23	---	---	---	0.268	0.306	0.274	0.144	0.200	0.183	0.184	---	---	23
24	---	---	---	0.238	0.328	0.383	0.163	0.486	0.182	0.188	---	---	24
25	---	---	---	0.263	0.345	0.718	0.155	0.881	0.180	0.180	---	---	25
26	---	---	---	0.386	0.343	0.686	0.187	0.686	0.148	0.188	---	---	26
27	---	---	---	0.500	0.380	0.344	0.184	1.01	0.148	0.157	---	---	27
28	---	---	---	0.475	0.803	0.288	0.159	0.693	0.144	0.158	---	---	28
29	---		---	0.501	0.534	0.247	0.148	0.506	0.145E	0.159	---	---	29
30	---		---	0.532	0.877	0.228	0.143	0.368	0.148E	0.163	---	---	30
31	---		---		1.24		0.152	0.344		0.186		---	31
TOTAL	---	---	---	9.462	13.819	15.733	5.887	9.368	8.474	5.282	---	---	TOTAL
MEAN	---	---	---	0.315	0.439	0.524	0.189	0.302	0.218	0.170	---	---	MEAN
MAX	---	---	---	0.532	1.24	2.11	0.678	1.01	0.365	0.205	---	---	MAX
MIN	---	---	---	0.155	0.287	0.228	0.140	0.118	0.138	0.149	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.308
MAXIMUM DAILY, 2.11 ON JUN 11
MINIMUM DAILY, 0.118 ON AUG 6
MAXIMUM INSTANTANEOUS,
2.43 AT 13:35 MST ON JUN 11

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 08 35 N
LONG 113 50 50 W
DRAINAGE AREA, 34.2 km²

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	808
FEB	---	AUG	808
MAR	---	SEP	880
APR	817	OCT	488
MAY	1 180	NOV	---
JUN	1 360	DEC	---

TOTAL DISCHARGE, 4 870 dam³

COYOTE CREEK NEAR CHERHILL - STATION NO. 07BB014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0508	0.008	0.028	0.017	0.011	0.322	0.010	---	---	1
2	---	---	0 B	0.0908	0.014	0.021	0.024	0.774	0.283	0.008	---	---	2
3	---	---	0 B	0.1508	0.011	0.018	0.031	0.155	0.245	0.008	---	---	3
4	---	---	0 B	0.2068	0.018	0.018	0.031	0.118	0.186	0.007	---	---	4
5	---	---	0 B	0.956	0.018	0.013	0.033	0.078	0.168	0.007	---	---	5
6	---	---	0 B	1.02	0.023	0.008	0.031	0.068	0.135	0.008	---	---	6
7	---	---	0 B	0.815	0.034	0.008	0.030	0.136	0.108	0.007	---	---	7
8	---	---	0 B	0.656	0.044	0.004	1.20	0.153	0.082	0.008	---	---	8
9	---	---	0 B	0.515	0.022	0.004	5.84	0.128	0.069	0.005	---	---	9
10	---	---	0 B	0.487	0.004	0.007	5.51	0.095	0.059	0.006	---	---	10
11	---	---	0 B	0.414	0.003	0.008	3.57	0.077	0.051	0.008	---	---	11
12	---	---	0 B	0.341	0.003	0.007	2.40	0.083	0.045	0.008	---	---	12
13	---	---	0 B	0.288	0.003	0.007	1.80	0.084	0.040	0.005	---	---	13
14	---	---	0 B	0.274	0.003	0.007	1.08	0.044	0.038	0.005	---	---	14
15	---	---	0 B	0.278	0.003	0.008	0.889	0.040	0.030	0.008	---	---	15
16	---	---	0 B	0.227	0.002	0.007	0.428	0.061	0.033	0.005	---	---	16
17	---	---	0 B	0.178	0.002	0.005	0.272	0.401	0.028	0.005	---	---	17
18	---	---	0 B	0.145	0.002	0.005	0.189	0.426	0.025	0.005	---	---	18
19	---	---	0 B	0.103	0.006	0.004	0.099	0.233	0.023	0.005	---	---	19
20	---	---	0 B	0.076	0.027	0.004	0.070	0.338	0.022	0.005	---	---	20
21	---	---	0 B	0.058	0.084	0.004	0.058	0.438	0.021	0.005	---	---	21
22	---	---	0 B	0.044	0.280	0.004	0.045	0.484	0.022	0.004	---	---	22
23	---	---	0 B	0.036	0.482	0.004	0.036	0.482	0.021	0.005	---	---	23
24	---	---	0 B	0.030	0.418	0.004	0.032	0.470	0.020	0.005	---	---	24
25	---	---	0 B	0.025	0.289	0.004	0.028	0.488	0.018	0.006	---	---	25
26	---	---	0 B	0.022	0.187	0.004	0.021	0.613	0.017	0.008	---	---	26
27	---	---	0 B	0.020	0.137	0.011	0.018	0.532	0.015	0.005	---	---	27
28	---	0B	0 B	0.018	0.093	0.011	0.015	0.474	0.013	0.007	---	---	28
29	---		0 B	0.015	0.067	0.011	0.017	0.446	0.012	0.007	---	---	29
30	---		0 B	0.012	0.047	0.014	0.014	0.405	0.011	0.008	---	---	30
31	---		0.020B		0.037		0.013	0.358		0.008A		---	31
TOTAL	---	---	0.020	7.867	2.383	0.259	23.442	8.840	2.172	0.192	---	---	TOTAL
MEAN	---	---	0.001	0.262	0.077	0.008	0.756	0.278	0.072	0.006	---	---	MEAN
MAX	---	---	0.020	1.02	0.482	0.028	5.84	0.774	0.322	0.010	---	---	MAX
MIN	---	---	0	0.012	0.002	0.004	0.013	0.011	0.011	0.004	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.184
MAXIMUM DAILY, 5.84 ON JUL 9
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
7.21 AT 14:50 MST ON JUL 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 52 22 N
LONG 114 40 10 W
DRAINAGE AREA, 57.6 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 030
FEB	---	AUG	748
MAR	1.73	SEP	188
APR	678	OCT	16.6
MAY	206	NOV	---
JUN	22.4	DEC	---

TOTAL DISCHARGE, 3 890 dam³

CRESSDAY RESERVOIR NEAR CRESSDAY - STATION NO. 11AB087

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	982.839	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	983.548	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	982.820	982.533	---	---	5
6	---	---	981.987	983.527	---	---	982.812	---	---	---	---	---	6
7	---	---	981.986E	983.530E	983.536E	982.664	982.808E	982.687E	982.814	982.524E	---	---	7
8	---	---	---	---	---	---	---	982.682	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	982.048	983.574E	983.474	982.615E	982.782	982.634	982.579E	982.492	---	---	17
18	---	---	---	983.574	---	---	---	---	982.577	---	---	---	18
19	---	---	---	---	983.474	982.618	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	981.970	---	---	982.612	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	981.973E	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	983.575	---	---	---	---	---	---	---	---	26
27	---	---	---	983.576E	---	982.636	---	---	982.550E	---	---	---	27
28	---	981.977E	982.537	---	982.663E	---	982.748E	982.628E	---	982.473E	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	983.563E	---	982.628E	---	---	982.543E	982.471	---	---	30
31	---		982.920E		982.690		982.736	982.623E		982.468E		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1989

WATER LEVELS IN METRES

MAXIMUM DAILY, 983.576E ON APR 27
MINIMUM DAILY, 981.970 ON FEB 22

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 14 02 N
LONG 110 15 40 W

E - ESTIMATED

REGULATED

DRAINAGE AREA,
94.6 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

CROWFOOT CREEK NEAR CLUNY - STATION NO. 05BM005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.2458 B	0.130	1.01	1.22	1.31	1.85	0.528	0.084A	---	1
2	---	---	0 B	0.2588	0.077	1.02	1.05	1.34	1.84	0.590	---	---	2
3	---	---	0 B	1.37 B	0.068	1.01	1.01	1.47	1.78	0.618	---	---	3
4	---	---	0 B	4.41 B	0.052	1.12	0.993	1.53	1.87	0.598	---	---	4
5	---	---	0 B	10.9 B	0.054	1.03	0.934	1.41	2.13	0.522	---	---	5
6	---	---	0 B	20.6 B	0.041	1.00	0.847	1.24	2.02	0.443	---	---	6
7	---	---	0 B	20.6 B	0.041	1.03	0.937	1.32	1.83	0.370	---	---	7
8	---	---	0 B	18.3 B	0.048	1.18	0.705	1.32	1.71	0.288	---	---	8
9	---	---	0 B	11.8 B	0.051	1.55	0.848	1.31	1.82	0.200	---	---	9
10	---	---	0 B	5.08 B	0.040	1.81	0.701	1.28	1.87	0.122	---	---	10
11	---	---	0 B	3.12 B	0.151	1.63	0.826	1.29	1.87	0.100	---	---	11
12	---	---	0 B	2.52 B	0.423	1.93	1.28	1.29	1.46	0.088	---	---	12
13	---	---	0 B	2.07 B	1.08	2.06	1.81	1.16	1.31	0.113	---	---	13
14	---	---	0 B	1.81 B	1.16	2.02	2.21	1.21	1.13	0.117	---	---	14
15	---	---	0 B	1.59 B	1.23	1.89	2.01	1.17	0.988	0.106	---	---	15
16	---	---	0 B	1.21 B	1.12	1.93	2.04	1.35	0.880	0.098	---	---	16
17	---	---	0 B	0.943	0.887	2.12	2.09	1.32	0.883	0.107	---	---	17
18	---	---	0 B	0.718	0.778	2.34	1.91	1.28	1.08	0.086	---	---	18
19	---	---	0 B	0.606	0.813	2.62	1.84	1.41	1.08	0.087	---	---	19
20	---	---	0 B	0.409	1.12	2.82	1.35	1.48	1.08	0.073	---	---	20
21	---	---	0 B	0.385	1.18	2.27	1.08	1.65	1.12	0.074	---	---	21
22	---	---	0 B	0.378	1.24	2.14	1.02	1.85	1.08	0.080	---	---	22
23	---	0B	0.0108	0.420	1.22	1.81	0.841	1.82	1.01	0.102	---	---	23
24	---	0B	0.0408	0.348	1.28	1.71	0.880	1.82	1.01	0.118	---	---	24
25	---	0B	0.0508	0.232	1.37	1.47	0.870	1.82	0.974	0.088	---	---	25
26	---	0B	0.0588	0.186	1.84	1.37	1.28	1.80	0.885	0.102	---	---	26
27	---	0B	0.0548	0.187	1.87	1.29	1.40	1.81	0.858	0.080	---	---	27
28	---	0B	0.0558	0.186	1.87	1.39	1.18	1.40	0.822	0.085	---	---	28
29	---		0.0618	0.186	1.26	1.43	1.04	1.38	0.788	0.089	---	---	29
30	---		0.2618	0.184	1.15	1.38	1.08	1.44	0.808	0.085	---	---	30
31	---		0.1888		1.08		1.22	1.84		0.083	---	---	31
TOTAL	---	---	0.742	110.988	24.608	48.41	38.834	43.48	38.880	5.085	---	---	TOTAL
MEAN	---	---	0.024	3.70	0.794	1.85	1.24	1.40	1.28	0.198	---	---	MEAN
MAX	---	---	0.251	20.6	1.87	2.82	2.21	1.85	2.13	0.618	---	---	MAX
MIN	---	---	0	0.184	0.040	1.00	0.588	1.18	0.808	0.083	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.28
MAXIMUM DAILY, 20.88 ON APR 6
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
22.38 AT 03:57 MST ON APR 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 50 00 N
LONG 113 45 40 W
DRAINAGE AREA, 1 380 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1914

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 330
FEB	---	AUG	3 760
MAR	84.1	SEP	3 340
APR	9 590	OCT	828
MAY	2 130	NOV	---
JUN	4 270	DEC	---

TOTAL DISCHARGE, 27 000 dam³

CROWSNEST RIVER AT FRANK - STATION NO. 05AA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.8708	0.8808	0.8778	1.14	8.21	13.8	8.12	3.44	3.86	2.38	2.48	2.17	1
2	0.8808	0.8008	0.8808	1.10	8.36	14.0	7.86	3.37	4.78	2.37	2.62	2.83	2
3	1.16 B	0.8808	0.8368	1.09	8.88	14.8	7.07	3.22	4.85	2.34	2.48	3.32	3
4	1.05 B	0.8208	0.8088	1.10	9.05	15.1	6.73	3.04	4.43	2.36	2.48	3.50	4
5	0.9708	0.8208	0.9368	1.12	10.2	15.4	6.54	2.98	4.78	2.38	2.43	3.37	5
6	0.8008	0.8408	0.8488	1.19	14.1	15.3	6.35	2.91	4.77	2.36	2.37	3.08	6
7	0.8408	0.8808	0.8648	1.53	15.1	15.0	6.18	2.91	4.87	2.25	2.41	2.88	7
8	0.8608	0.8908	0.8788	1.43	15.5	15.2	6.09	2.90	4.50	2.18	2.38	3.01	8
9	0.9108	0.8208	1.01 B	1.34	15.3	15.3	5.84	2.83	4.37	2.15	2.38	2.86	9
10	0.9408	0.8508	1.70 B	1.33	20.8	15.4	5.48	2.81	4.40	2.20	6.08	1.85	10
11	0.9508	0.8808	1.47 B	1.36	20.1	15.5	5.36	2.75	4.21	2.21	5.84	1.87	11
12	0.8608	1.00 B	1.27	1.43	17.0	15.8	5.83	2.80	4.07	2.41	5.84	1.86	12
13	0.9408	1.02 B	1.30	1.54	14.7	15.8	7.63	2.87	3.86	3.12	5.81	2.07	13
14	0.9368	1.00 B	1.17	1.72	13.0	15.5	8.88	2.88	3.70	3.21	5.10	2.25	14
15	0.9808	0.9858	1.18	2.31	12.1	15.0	9.01	2.75	3.53	2.88	4.18	2.40	15
15	1.01 B	0.9508	1.11	2.70	11.7	14.3	8.48	2.82	3.39	2.65	4.30	2.408	16
17	1.10 B	0.9208	1.03	2.42	12.0	12.9	7.72	2.87	3.32	2.50	4.11	2.308	17
18	1.12 B	0.8108	1.10	2.48	11.7	11.5	7.00	2.48	3.28	2.46	4.14	2.008	18
19	1.12 B	0.9108	1.11	2.98	10.7	11.0	8.47	2.44	3.18	2.32	4.10	2.088	19
20	1.11 B	0.9308	1.06	4.18	9.84	10.2	8.08	2.42	3.08	2.81	4.23	1.978	20
21	1.05 B	0.9608	1.16	5.08	9.08	9.27	5.83	2.45	2.98	3.57	4.62	1.838	21
22	0.8908	1.01 B	1.21	6.68	8.78	8.75	5.32	2.43	2.88	3.41	4.03	2.058	22
23	0.8408	1.00 B	1.24	6.33	8.81	8.84	5.02	2.41	2.84	3.18	3.88	2.238	23
24	0.8108	1.02 B	1.20	6.35	8.88	8.40	4.82	2.71	2.73	3.11	3.85	2.288	24
25	0.8608	0.8808	1.28	4.83	8.97	8.30	4.18	2.85	2.88	3.01	3.62	2.398	25
26	0.8708	0.8808	1.58	4.48	8.83	8.17	3.81	3.40	2.88	2.81	3.08	2.448	26
27	1.03 B	0.8488	1.40	4.13	8.81	8.80	3.78	4.43	2.83	2.86	2.74	2.428	27
28	1.08 B	0.8108	1.32	3.74	8.88	8.87	3.58	4.84	2.47	2.79	3.08	2.388	28
29	1.01 B		1.22	3.88	8.37	8.36	3.47	4.48	2.42	2.87	2.79	2.388	29
30	1.18 B		1.18	4.08	8.82	8.27	3.42	4.22	2.37	2.88	2.78	2.348	30
31	1.15 B		1.17		10.8		3.38	4.05		2.84		2.348	31
TOTAL	31.034	26.220	35.730	88.10	387.13	401.21	187.88	84.88	107.35	81.85	113.38	78.09	TOTAL
MEAN	1.00	0.936	1.15	2.84	11.8	13.4	6.05	3.08	3.58	2.84	3.78	2.42	MEAN
MAX	1.18	1.02	1.70	6.68	20.8	15.4	9.88	4.84	4.78	3.57	6.84	3.50	MAX
MIN	0.840	0.820	0.838	1.08	8.21	8.27	3.38	2.41	2.37	2.15	2.38	1.87	MIN

SUMMARY FOR THE YEAR 1989

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.40
MAXIMUM DAILY, 20.8 ON MAY 10
MINIMUM DAILY, 0.820B ON FEB 4
MAXIMUM INSTANTANEOUS,
22.2 AT 21:45 MST ON MAY 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 35 49 N
LONG 114 24 33 W
DRAINAGE AREA, 404 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 680	JUL	18 200
FEB	2 270	AUG	6 200
MAR	3 080	SEP	8 280
APR	7 350	OCT	7 070
MAY	31 700	NOV	8 600
JUN	34 700	DEC	8 490

TOTAL DISCHARGE, 130 000 dam³

CUTBANK RIVER NEAR GRANDE PRAIRIE - STATION NO. 07GB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0838	0.1718	10.8	27.7	14.3	5.30	16.3	5.71	---	---	1
2	---	---	0.0888	0.1888	12.5	17.2	16.2	14.7	18.3	5.38	---	---	2
3	---	---	0.0838	0.2068	13.5	11.5	19.5	80.0	14.1	5.08	---	---	3
4	---	---	0.0888	0.2488	12.2	8.82	14.0	38.3	11.3	5.03	---	---	4
5	---	---	0.0498	0.2928	11.5	8.95	13.1	22.8	11.0	5.02	---	---	5
6	---	---	0.0538	0.3208	12.4	8.77	10.3	18.1	35.7	5.78	---	---	6
7	---	---	0.0608	0.3988	11.4	5.24	8.84	13.5	28.0	5.72	---	---	7
8	---	---	0.0888	0.4248	9.85	4.84	28.0	23.7	22.5	5.44	---	---	8
9	---	---	0.0758	0.4738	8.48	12.4	47.5	25.0	18.2	5.07	---	---	9
10	---	---	0.0758	0.5208	7.72	84.7	45.5	24.5	15.0	4.76	---	---	10
11	---	---	0.0778	0.7088	7.12	25.5	30.0	24.4	12.7	4.82	---	---	11
12	---	---	0.0808	0.8798	6.80	14.5	21.5	18.2	11.0	4.40	---	---	12
13	---	---	0.0838	0.8828	4.45	10.3	16.0	11.5	9.84	4.27	---	---	13
14	---	---	0.0858	0.7278	3.87	8.08	27.2	13.7	8.85	4.13	---	---	14
15	---	---	0.0818	0.8118	3.24	9.89	23.0	32.0	8.01	4.01	---	---	15
16	---	---	0.0898	0.8238	2.88	5.78	18.5	25.3	7.85	3.438	---	---	16
17	---	---	0.0918	0.8828	2.84	4.80	16.5	48.5	7.65	3.088	---	---	17
18	---	---	0.0978	1.11 E	2.74	4.36	15.4	48.5	7.46	3.88	---	---	18
19	---	---	0.0888	1.61 E	3.41	3.84	11.5	38.2	7.23	3.81	---	---	19
20	---	---	0.0888	2.24 E	7.63	3.89	11.5	27.7	7.63	3.77	---	---	20
21	---	0.0718	0.1108	4.42 E	12.3	3.83	13.3	20.0	7.50	3.73	---	---	21
22	---	0.0848	0.1298	5.78 E	12.3	3.87	12.5	24.5	8.04	3.87	---	---	22
23	---	0.0888	0.1808	4.88 E	11.9	3.82	9.74	88.4	8.58	3.92	---	---	23
24	---	0.0878	0.1928	4.82 E	28.8	3.82	8.52	63.4	8.17	3.83	---	---	24
25	---	0.0898	0.2038	8.36 E	30.8	3.87	8.98	44.8	8.84	3.43	---	---	25
26	---	0.0858	0.1888	8.11 E	31.8	3.30	7.84	27.7	8.58	3.38	---	---	26
27	---	0.0708	0.1818	8.13 E	37.5	13.3	8.45	28.8	8.31	3.34	---	---	27
28	---	0.0748	0.1858	8.52 E	25.7	44.0	8.84	25.8	8.08	3.008	---	---	28
29	---		0.1528	8.78 E	21.3	28.1	8.80	25.8	4.88	2.888	---	---	29
30	---		0.1488	10.2 E	25.8	17.2	8.31	22.1	8.83	2.898	---	---	30
31	---		0.1578		33.0		8.47	17.8		2.438			31
TOTAL	---	---	3.372	84.782	422.01	387.14	485.78	959.70	338.38	132.80	---	---	TOTAL
MEAN	---	---	0.109	2.83	13.6	12.2	16.1	31.0	11.3	4.28	---	---	MEAN
MAX	---	---	0.203	10.2	37.5	84.7	47.5	88.4	35.7	5.71	---	---	MAX
MIN	---	---	0.048	0.171	2.84	3.30	8.31	8.30	4.88	2.42	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 11.8
MAXIMUM DAILY, 88.4 ON AUG 23
MINIMUM DAILY, 0.0498 ON MAR 5
MAXIMUM INSTANTANEOUS,
180 AT 17:30 MST ON AUG 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 30 57 N
LONG 118 57 47 W
DRAINAGE AREA, 844 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	43 200
FEB	---	AUG	82 800
MAR	281	SEP	28 200
APR	7 320	OCT	11 500
MAY	35 500	NOV	---
JUN	31 700	DEC	---

TOTAL DISCHARGE, 243 000 dam³

DAPP CREEK AT HIGHWAY NO. 64 - STATION NO. 07BC008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0038	0.0038	0.270	0.088	0.140	1.14	0.747	0.347	---	---	1
2	---	---	0.0038	0.0038	0.380	0.068	0.170	1.28	0.678	0.338	---	---	2
3	---	---	0.0038	0.0038	0.282	0.078	0.381	1.10	0.605	0.331	---	---	3
4	---	---	0.0038	0.0128	0.288	0.048	0.458	1.30	0.537	0.321	---	---	4
5	---	---	0.0038	0.0248	0.208	0.027	0.457	0.988	0.512	0.312	---	---	5
6	---	---	0.0038	0.1388	0.286	0.020	0.438	0.924	0.488	0.348	---	---	6
7	---	---	0.0038	0.1418	0.225	0.020	0.424	0.717	0.480	0.288	---	---	7
8	---	---	0.0038	0.1588	0.188	0.034	0.749	0.468	0.480	0.278	---	---	8
9	---	---	0.0038	0.113	0.078	0.052	0.808	0.318	0.441	0.268	---	---	9
10	---	---	0.0038	0.127	0.261	0.114	0.810	0.224	0.418	0.270	---	---	10
11	---	---	0.0038	0.178	0.348	0.187	0.840	0.183	0.388	0.284	---	---	11
12	---	---	0.0038	0.208	0.328	0.295	0.548	0.188	0.365	0.268	---	---	12
13	---	---	0.0038	0.208	0.230	0.284	0.488	0.188	0.327	0.342	---	---	13
14	---	---	0.0038	0.278	0.224	0.262	0.448	0.162	0.342	0.217	---	---	14
15	---	---	0.0038	0.318	0.188	0.268	0.428	0.143	0.272	0.237	---	---	15
16	---	---	0.0038	0.288	0.202	0.242	0.423	0.178	0.288	0.234	---	---	16
17	---	---	0.0038	0.217	0.172	0.211	0.441	0.883	0.228	0.228	---	---	17
18	---	---	0.0038	0.248	0.188	0.213	0.438	0.708	0.191	0.228	---	---	18
19	---	---	0.0038	0.424	0.463	0.215	0.418	0.448	0.188	0.224	---	---	19
20	---	---	0.0038	0.487	0.433	0.231	0.438	0.388	0.147	0.217	---	---	20
21	---	---	0.0038	0.538	0.298	0.358	0.488	0.887	0.118	0.211	---	---	21
22	---	0.0038	0.0038	0.578	0.288	0.388	0.473	0.660	0.080	0.203	---	---	22
23	---	0.0038	0.0038	0.542	0.218	0.348	0.448	0.704	0.080	0.187	---	---	23
24	---	0.0038	0.0038	0.508	0.222	0.278	0.448	2.882	0.088	0.202	---	---	24
25	---	0.0038	0.0038	0.477	0.304	0.221	0.458	0.778	0.088	0.238	---	---	25
26	---	0.0038	0.0038	0.508	0.174	0.188	0.442	0.783	0.085	0.213	---	---	26
27	---	0.0038	0.0038	0.464	0.188	0.178	0.480	0.671	0.221	0.203	---	---	27
28	---	0.0038	0.0038	0.410	0.118	0.183	0.592	0.614	0.385	0.200	---	---	28
29	---		0.0038	0.412	0.087	0.181	0.688	0.581	0.358	0.184	---	---	29
30	---		0.0038	0.338	0.087	0.151	0.808	0.580	0.358	0.178	---	---	30
31	---		0.0038		0.084		0.848	0.740		0.178E		---	31
TOTAL	---	---	0.003	8.388	7.030	5.488	15.324	18.248	8.870	7.787	---	---	TOTAL
MEAN	---	---	0.003	0.278	0.228	0.183	0.494	0.621	0.328	0.280	---	---	MEAN
MAX	---	---	0.003	0.578	0.463	0.398	0.848	1.30	0.747	0.347	---	---	MAX
MIN	---	---	0.003	0.003	0.084	0.020	0.140	0.143	0.088	0.178	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.289
MAXIMUM DAILY, 1.30 ON AUG 4
MINIMUM DAILY, 0.0038 ON MAR 1
MAXIMUM INSTANTANEOUS,
4.70 AT 11:00 MST ON AUG 4

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 18 30 N
LONG 113 50 55 W
DRAINAGE AREA, 883 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 330
FEB	---	AUG	1 980
MAR	8.04	SEP	853
APR	722	OCT	870
MAY	807	NOV	---
JUN	474	DEC	---

TOTAL DISCHARGE, 8 310 dam³

DEADFISH INFLOW CANAL NEAR CRESSFORD - STATION NO. 05CH012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0.807	0.812	0.827	0.598	0.083	0.002	---	---	1
2	---	---	0	0	0.823	0.742	0.770	0.594	0.036	0.005	---	---	2
3	---	---	0	0	0.806	0.690	0.785	0.620	0.056	0.003	---	---	3
4	---	---	0	0	0.771	0.730	0.778	0.622	0.092	0.003	---	---	4
5	---	---	0	0	0.186	0.718	0.720	0.634	0.095	0.005	---	---	5
6	---	---	0	0	0.088	0.564	0.695	0.605	0.104	0.005	---	---	6
7	---	---	0	0	0.048	0.402	0.717	0.610	0.117	0.005	---	---	7
8	---	---	0	0	0.035	0.320	0.718	0.627	0.095	0.007	---	---	8
9	---	---	0	0	0.042	0.268	0.748	0.638	0.025	0.008	---	---	9
10	---	---	0	0	0.080	0.218	0.765	0.667	0.013	0.022	---	---	10
11	---	---	0	0	0.050	0.214	0.751	0.668	0.008	0.028	---	---	11
12	---	---	0	0	0.045	0.218	0.767	0.658	0.008	0.028	---	---	12
13	---	---	0	0	0.043	0.194	0.743	0.688	0.008	0.026	---	---	13
14	---	---	0	0	0.044	0.155	0.768	0.605	0.008	0.025	---	---	14
15	---	---	0	0	0.045	0.158	0.823	0.626	0.008	0.023	---	---	15
16	---	---	0	0	0.037	0.183	0.852	0.686	0.010	0.021	---	---	16
17	---	---	0	0	0.046	0.183	0.834	0.600	0.013	0.020	---	---	17
18	---	---	0	0	0.058	0.184	0.776	0.268	0.011	0.018	---	---	18
19	---	---	0	0	0.142	0.210	0.778	0.298	0.010	0.017	---	---	19
20	---	---	0	0	0.181	0.244	0.776	0.361	0.009	0.016	---	---	20
21	---	---	0	0	0.186	0.281	0.784	0.370	0.008	0.017	---	---	21
22	---	---	0	0	0.467	0.775	0.686	0.376	0.007	0.015	---	---	22
23	---	---	0	0	0.333	0.826	0.641	0.388	0.004	0.014	---	---	23
24	---	---	0	0	0.430	0.833	0.574	0.405	0.003	0.013	---	---	24
25	---	---	0	0	1.04	0.818	0.580	0.427	0.003	0.012	---	---	25
26	---	---	0	0.901	0.877	0.801	0.609	0.427	0.002	0.010	---	---	26
27	---	0	0	1.41	0.889	0.834	0.827	0.417	0.001	0.008	---	---	27
28	---	0	0	0.827	0.648	0.836	0.814	0.319	0.001	0.007	---	---	28
29	---		0	0.803	0.864	0.648	0.825	0.107	0.001	0.006	---	---	29
30	---		0	0.892	1.10	0.649	0.678	0.085	0.001	0.005	---	---	30
31	---		0		0.822		0.636	0.102		0 A		---	31
TOTAL	---	---	0	5.033	12.678	15.216	22.440	14.457	0.776	0.392	---	---	TOTAL
MEAN	---	---	0	0.168	0.409	0.507	0.724	0.466	0.026	0.013	---	---	MEAN
MAX	---	---	0	1.41	1.10	0.849	0.852	0.686	0.117	0.028	---	---	MAX
MIN	---	---	0	0	0.035	0.153	0.580	0.085	0.001	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.290
MAXIMUM DAILY, 1.41 ON APR 27
MINIMUM DAILY, 0 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 00 53 N
LONG 111 48 32 W

A - MANUAL GAUGE

REGULATED SINCE 1983

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 940
FEB	---	AUG	1 250
MAR	0	SEP	67.0
APR	435	OCT	33.8
MAY	1 100	NOV	---
JUN	1 310	DEC	---

TOTAL DISCHARGE, 6 140 dam³

DEEP VALLEY CREEK NEAR VALLEYVIEW - STATION NO. 07GF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.4988	0.7278	8.82	21.7	58.3	11.8	8.71	4.61	2.40	---	1
2	---	---	0.4908	0.7288	8.56	18.6	64.1	18.5	10.1	4.18	2.68A	---	2
3	---	---	0.4888	0.7328	8.80	12.6	79.7	66.5	8.40	3.84	---	---	3
4	---	---	0.4888	0.7328	10.6	10.5	83.2	82.0	7.20	3.80	---	---	4
5	---	---	0.4988	0.7928	10.1	8.58	38.7	38.3	7.48	3.77	---	---	5
6	---	---	0.5008	0.8088	10.2	7.33	31.8	27.1	11.1	3.71	---	---	6
7	---	---	0.5188	0.8828	9.18	6.48	26.0	20.9	11.7	3.52	---	---	7
8	---	---	0.5408	0.7488	7.72	5.78	25.5	18.1	12.7	3.37	---	---	8
9	---	---	0.5588	0.7888	8.58	16.7	40.3	12.8	11.7	3.05	---	---	9
10	---	---	0.5008	0.8848	8.37	37.3	80.1	10.8	10.1	2.97	---	---	10
11	---	---	0.5188	0.8208	8.81	28.7	44.8	9.01	8.19	2.86	---	---	11
12	---	---	0.5408	1.36 B	8.86	18.3	37.3	7.44	8.88	2.71	---	---	12
13	---	---	0.5508	1.72 B	8.73	12.8	30.6	8.33	5.84	2.58	---	---	13
14	---	---	0.5608	1.98 B	8.41	11.2	28.8	6.80	5.30	2.46	---	---	14
15	---	---	0.5728	2.28 B	4.56	13.6	30.3	14.1	4.74	2.56	---	---	15
16	---	---	0.5788	2.37 B	4.08	13.2	23.3	14.8	4.59	2.21	---	---	16
17	---	---	0.5708	2.88 B	3.80	10.3	18.1	25.5	4.68	2.30	---	---	17
18	---	---	0.5888	3.27 B	7.41	8.48	15.8	24.8	4.48	2.40	---	---	18
19	---	---	0.6508	3.12 B	20.0	7.18	14.3	22.6	4.34	2.67	---	---	19
20	---	---	0.6388	2.73 B	29.3	6.88	13.1	19.1	4.89	3.01	---	---	20
21	---	---	0.6308	2.88 B	27.1	6.16	12.8	14.0	4.75	2.88	---	---	21
22	---	---	0.6208	3.72 B	24.6	5.60	16.6	16.6	4.24	2.76	---	---	22
23	---	---	0.6228	4.47 B	22.2	5.27	15.3	17.8	3.86	2.63	---	---	23
24	---	---	0.6408	5.14 B	27.5	4.78	16.2	16.4	3.66	2.52	---	---	24
25	---	---	0.6768	5.19 B	30.7	4.18	15.8	13.2	3.40	2.44	---	---	25
26	---	---	0.7008	5.88 B	33.1	4.88	15.8	11.5	3.17	2.36	---	---	26
27	---	0.5108	0.7788	6.62 B	36.2	52.6	12.4	11.4	3.02	2.41	---	---	27
28	---	0.5058	0.7888	6.80 B	31.7	74.3	10.7	12.2	2.87	2.28	---	---	28
29	---		0.7608	8.70	28.1	52.6	10.7	12.3	2.78	1.778	---	---	29
30	---		0.7638	8.76	27.7	43.6	13.3	11.6	3.83	2.028	---	---	30
31	---		0.7388		28.0		14.3	10.0		1.818		---	31
TOTAL	---	---	18.480	91.718	505.56	525.52	816.0	570.98	190.07	88.58	---	---	TOTAL
MEAN	---	---	0.629	3.06	16.3	17.5	26.5	18.4	6.34	2.86	---	---	MEAN
MAX	---	---	0.788	8.76	36.2	74.3	84.1	82.0	12.7	4.61	---	---	MAX
MIN	---	---	0.488	0.727	3.80	4.18	12.1	6.33	3.78	1.81	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 11.9
MAXIMUM DAILY, 84.1 ON JUL 3
MINIMUM DAILY, 0.4888 ON MAR 3
MAXIMUM INSTANTANEOUS,
80.8 AT 19:30 MST ON JUL 3

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 35 48 N
LONG 117 43 10 W
DRAINAGE AREA, 837 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	79 100
FEB	---	AUG	48 300
MAR	1 880	SEP	15 400
APR	7 930	OCT	7 880
MAY	43 700	NOV	---
JUN	45 400	DEC	---

TOTAL DISCHARGE, 251 000 dam³

DEER CREEK (MAIN STEM) NEAR SUNDRE - STATION NO. 05CA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.0138	0.0618	0.022	0.018	0.009	0.021	0.020	0.0158	---	1
2	---	---	---	0.0138	0.0488	0.021	0.018	0.013	0.027	0.018	---	---	2
3	---	---	---	0.0148	0.0388	0.022	0.018	0.013	0.028	0.018	---	---	3
4	---	---	---	0.0128	0.0388	0.021	0.018	0.011	0.024	0.018	---	---	4
5	---	---	---	0.0158	0.0418	0.021	0.018	0.028	0.031	0.018	---	---	5
6	---	---	---	0.0088	0.0408	0.020	0.014	0.018	0.028	0.018	---	---	6
7	---	---	---	0.0118	0.0378	0.020	0.014	0.014	0.030	0.018	---	---	7
8	---	---	---	0.0068	0.0388	0.022	0.014	0.012	0.023	0.017	---	---	8
9	---	---	---	0.0158	0.0348	0.038	0.016	0.014	0.022	0.018	---	---	9
10	---	---	---	0.0228	0.036	0.040	0.033	0.013	0.020	0.018	---	---	10
11	---	---	---	0.0308	0.0378	0.031	0.027	0.011	0.028	0.020	---	---	11
12	---	---	---	0.0288	0.0388	0.026	0.023	0.010	0.026	0.018	---	---	12
13	---	---	---	0.0278	0.0318	0.024	0.017	0.010	0.024	0.018	---	---	13
14	---	---	---	0.0348	0.030	0.023	0.016	0.008	0.023	0.018	---	---	14
15	---	---	---	0.0308	0.028	0.022	0.015	0.008	0.023	0.018	---	---	15
16	---	---	---	0.0228	0.028	0.032	0.018	0.038	0.023	0.018	---	---	16
17	---	---	---	0.0118	0.030	0.028	0.018	0.034	0.024	0.018	---	---	17
18	---	---	---	0.0188	0.027	0.022	0.014	0.028	0.023	0.020	---	---	18
19	---	---	---	0.0288	0.026	0.024	0.013	0.023	0.023	0.018	---	---	19
20	---	---	---	0.0238	0.024	0.026	0.012	0.022	0.022	0.019	---	---	20
21	---	---	---	0.0378	0.023	0.024	0.012	0.018	0.021	0.018	---	---	21
22	---	---	---	0.033	0.022	0.026	0.011	0.017	0.020	0.018	---	---	22
23	---	---	---	0.026	0.023	0.023	0.010	0.021	0.020	0.017	---	---	23
24	---	---	---	0.0198	0.027	0.026	0.010	0.020	0.018	0.018	---	---	24
25	---	---	---	0.0188	0.027	0.035	0.010	0.022	0.018	0.018	---	---	25
26	---	---	---	0.0178	0.023	0.027	0.008	0.020	0.018	0.018	---	---	26
27	---	---	---	0.0168	0.026	0.026	0.008	0.021	0.019	0.016	---	---	27
28	---	---	0.0038	0.0268	0.026	0.022	0.020	0.026	0.018	0.015	---	---	28
29	---		0.0048	0.071	0.026	0.020	0.012	0.028	0.016	0.015	---	---	29
30	---		0.0068	0.1078	0.023	0.020	0.011	0.026	0.020	0.015	---	---	30
31	---		0.0158		0.022		0.010	0.024		0.0128		---	31
TOTAL	---	---	---	0.751	1.001	0.782	0.478	0.580	0.710	0.549	---	---	TOTAL
MEAN	---	---	---	0.026	0.032	0.026	0.015	0.018	0.024	0.018	---	---	MEAN
MAX	---	---	---	0.107	0.061	0.040	0.027	0.038	0.033	0.020	---	---	MAX
MIN	---	---	---	0.006	0.022	0.020	0.008	0.008	0.016	0.012	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.023
MAXIMUM DAILY, 0.1078 ON APR 30
MINIMUM DAILY, 0.0068 ON APR 6
MAXIMUM INSTANTANEOUS,
0.168 AT 18:02 MST ON APR 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 38 25 N
LONG 115 08 00 W
DRAINAGE AREA, 8.44 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	41.3
FEB	---	AUG	50.1
MAR	---	SEP	61.3
APR	64.9	OCT	47.4
MAY	86.5	NOV	---
JUN	68.8	DEC	---

TOTAL DISCHARGE, 417 dam³

BEERLICK CREEK NEAR HINTON - STATION NO. 07AF004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.0028	0.8208	0.282	0.288	0.113	0.510	0.217	0.0888	---	1
2	---	---	---	0.0028	0.6788	0.246	0.247	0.316	0.488	0.188	---	---	2
3	---	---	---	0.0028	0.7688	0.226	0.222	0.264	0.411	0.171	---	---	3
4	---	---	---	0.0028	0.8338	0.200	0.234	0.162	0.370	0.158	---	---	4
5	---	---	---	0.0028	0.8898	0.178	0.523	0.183	0.338	0.150	---	---	5
6	---	---	---	0.0028	0.617	0.164	0.380	0.143	0.318	0.150	---	---	6
7	---	---	---	0.0028	0.568	0.151	0.314	0.132	0.342	0.132	---	---	7
8	---	---	---	0.0028	0.501	0.136	0.821	0.116	0.386	0.123	---	---	8
9	---	---	---	0.0028	0.456	0.147	1.10	0.117	0.428	0.118	---	---	9
10	---	---	---	0.0028	0.449	0.488	1.87	0.136	0.327	0.148	---	---	10
11	---	---	---	0.0028	0.416	0.377	1.35	0.108	0.280	0.184	---	---	11
12	---	---	---	0.0028	0.338	0.304	1.21	0.097	0.268	0.151	---	---	12
13	---	---	---	0.0038	0.277	0.268	0.888	0.102	0.231	0.132	---	---	13
14	---	---	---	0.0048	0.258	0.230	0.707	0.092	0.208	0.120	---	---	14
15	---	---	---	0.0068	0.230	0.212	0.580	0.112	0.186	0.110	---	---	15
16	---	---	---	0.0088	0.218	0.243	0.485	0.897	0.346	0.0958	---	---	16
17	---	---	---	0.0088	0.267	0.208	0.424	1.88	0.443	0.0958	---	---	17
18	---	---	---	0.0108	0.388	0.171	0.381	1.24	0.380	0.119	---	---	18
19	---	---	---	0.0158	0.374	0.152	0.308	0.885	0.417	0.126	---	---	19
20	---	---	---	0.0258	0.418	0.141	0.278	0.778	0.518	0.116	---	---	20
21	---	---	---	0.0428	0.388	0.134	0.258	0.747	0.491	0.111	---	---	21
22	---	---	---	0.0808	0.378	0.143	0.253	0.778	0.430	0.104	---	---	22
23	---	---	---	0.1068	0.380	0.186	0.188	0.805	0.400	0.097	---	---	23
24	---	---	---	0.1778	0.346	0.147	0.198	0.828	0.387	0.088	---	---	24
25	---	---	---	0.2488	0.431	0.134	0.188	0.518	0.338	0.085	---	---	25
26	---	---	---	0.3208	0.385	0.235	0.144	0.671	0.311	0.089	---	---	26
27	---	---	---	0.3808	0.382	0.711	0.128	0.528	0.281	0.086	---	---	27
28	---	---	---	0.4508	0.408	0.584	0.118	0.488	0.250	0.0818	---	---	28
29	---		---	0.5008	0.373	0.418	0.138	0.589	0.231	0.0868	---	---	29
30	---		---	0.5808	0.332	0.383	0.128	0.601	0.243	0.0768	---	---	30
31	---		---		0.314		0.133	0.670		0.0868		---	31
TOTAL	---	---	---	2.942	13.184	7.512	14.118	14.514	10.514	3.804	---	---	TOTAL
MEAN	---	---	---	0.088	0.428	0.260	0.455	0.488	0.380	0.123	---	---	MEAN
MAX	---	---	---	0.580	0.758	0.711	1.87	1.88	0.518	0.217	---	---	MAX
MIN	---	---	---	0.002	0.218	0.134	0.118	0.092	0.188	0.078	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.311
MAXIMUM DAILY, 1.88 ON AUG 17
MINIMUM DAILY, 0.0028 ON APR 1
MAXIMUM INSTANTANEOUS,
2.61 AT 20:44 MST ON AUG 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 08 30 N
LONG 117 14 38 W
DRAINAGE AREA, 16.0 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 220
FEB	---	AUG	1 350
MAR	---	SEP	808
APR	354	OCT	328
MAY	1 140	NOV	---
JUN	849	DEC	---

TOTAL DISCHARGE, 5 750 dam³

DICKSON DAM TUNNEL OUTLET - STATION NO. 05CB007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	15.4	15.4	15.6	15.5	44.0	18.3	58.4	40.6	84.0	20.4	21.1	17.5	1
2	15.5	15.4	15.6	15.7	68.9	28.5	48.6	37.8	83.7	20.4	18.6	17.5	2
3	15.6	15.4	15.6	15.6	80.1	28.2	48.7	88.4	84.2	20.5	18.6	17.6	3
4	15.4	15.5	15.6	15.5	80.4	26.6	48.8	81.5	84.6	20.5	18.4	17.6	4
5	15.4	15.5	15.6	15.6	80.5	18.3	37.8	58.2	84.4	20.5	18.4	17.6	5
6	15.3	15.5	15.6	15.5	80.4	21.5	32.4	53.1	77.6	20.5	18.4	17.2	6
7	15.2	15.6	15.6	15.4	80.5	42.7	32.4	46.1	83.1	19.5	18.5	17.4	7
8	15.2	15.7	15.7	15.4	80.9	48.8	32.2	39.4	86.9	19.2	18.4	17.4	8
9	15.2	15.8	15.8	15.5	85.5	48.7	32.2	38.3	87.0	19.2	18.4	17.3	9
10	15.2	15.8	15.8	15.5	83.4	48.3	38.6	39.6	87.2	18.3	17.9	17.2	10
11	15.3	15.9	15.8	15.7	86.8	48.6	61.1	44.0	84.3	19.2	17.4	17.1	11
12	15.2	15.8	15.6	15.7	88.0	61.4	76.8	46.6	80.8	25.3	17.3	17.2	12
13	15.3	15.8	15.4	15.8	89.1	67.8	84.8	48.5	47.5	28.6	17.3	17.2	13
14	15.2	15.8	15.5	15.8	82.2	67.6	84.9	42.8	41.2	28.6	17.3	17.3	14
15	15.2	15.8	15.4	15.8	80.6	68.8	85.0	40.0	36.7	28.4	17.3	17.2	15
16	15.3	15.8	15.4	15.1	33.9	78.7	84.9	82.7	38.6	28.4	17.6	17.2	16
17	15.2	15.8	15.4	17.3	31.0	81.0	84.4	81.6	35.0	25.0	17.8	17.1	17
18	15.1	15.8	15.4	21.4	30.8	81.6	84.7	82.1	33.1	20.3	17.8	17.1	18
19	15.1	15.1	15.4	24.1	30.4	78.6	48.8	82.5	33.1	18.8	17.8	17.2	19
20	15.1	15.2	15.4	24.2	30.7	67.9	36.3	82.9	33.2	18.8	17.7	17.1	20
21	15.1	15.2	15.5	24.2	30.7	51.6	31.6	83.4	33.3	18.8	17.6	17.1	21
22	15.0	15.2	15.5	24.2	30.8	51.6	31.6	83.6	30.8	18.8	17.6	17.2	22
23	15.0	15.4	15.7	24.2	28.6	40.6	31.4	83.6	28.6	18.0	17.6	17.2	23
24	15.6	15.3	15.8	24.6	21.6	38.7	31.6	83.9	28.6	18.9	17.6	17.3	24
25	15.6	15.2	15.9	24.6	21.6	45.4	31.6	83.8	28.6	20.1	17.6	17.3	25
26	15.6	15.1	15.0	24.6	21.6	55.3	31.6	83.8	28.6	21.3	17.6	17.3	26
27	15.9	15.1	16.1	27.0	21.6	65.1	31.6	83.6	28.6	21.3	17.6	17.3	27
28	15.6	15.9	16.1	32.2	21.6	73.1	31.6	83.6	28.6	21.2	17.6	17.2	28
29	15.6		16.2	34.1	21.6	76.6	33.8	83.6	23.5	21.3	17.6	17.2	29
30	15.7		16.4	34.0	18.7	83.6	46.4	83.6	20.4	21.3	17.6	17.2	30
31	15.4		16.4		18.3		46.6	83.6		21.3		17.2	31
TOTAL	488.3	444.8	487.4	612.1	1 319.6	1 578.4	1 386.1	2 012.6	1 417.8	685.6	538.6	536.3	TOTAL
MEAN	15.1	15.9	15.7	20.4	42.6	52.6	44.1	64.9	47.3	21.5	18.0	17.3	MEAN
MAX	15.6	15.4	15.4	34.1	88.4	81.6	81.1	83.9	84.6	28.6	21.1	17.6	MAX
MIN	15.4	15.4	15.4	15.4	18.3	18.3	31.4	37.8	20.4	18.9	17.3	17.1	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 31.4
MAXIMUM DAILY, 84.6 ON SEP 4
MINIMUM DAILY, 15.4 ON JAN 31
MAXIMUM INSTANTANEOUS,
85.1 AT 15:03 MST ON SEP 4

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT. 52 03 30 N
LONG 114 13 02 W
DRAINAGE AREA, 5 600 km²

REGULATED SINCE 1983

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	43 100	JUL	116 000
FEB	38 400	AUG	174 000
MAR	42 100	SEP	122 000
APR	53 000	OCT	57 500
MAY	114 000	NOV	46 500
JUN	136 000	DEC	46 200

TOTAL DISCHARGE, 891 000 dam³

DICKSON RESERVOIR NEAR DICKSON - STATION NO. 05CB005

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	946.889	944.598A	943.056	941.372	944.108A	946.537	946.880	946.380	946.578	947.646	946.046A	947.706	1
2	946.928	944.603A	943.005	941.321	944.158A	946.837	946.880	946.413	946.540	947.682	946.026A	947.673	2
3	946.886	944.440A	942.980	941.283	944.186A	946.748	946.882	946.426	946.507	947.730	946.026	947.650	3
4	946.823	944.380A	942.894	941.242	944.184A	946.859	946.883	946.381	946.507	947.781	946.031	947.642	4
5	946.773	944.319A	942.836	941.207	944.104A	946.904	946.933	946.378	946.484	947.784	946.036	947.636	5
6	946.734	944.263A	942.782	941.178	944.086A	946.203	946.888	946.383	946.473	947.825	946.042	947.624	6
7	946.685	944.193	942.728	941.156	944.080A	946.400	946.901	946.343	946.483	947.858	946.036	947.606	7
8	946.634	944.137	942.671	941.151	944.175A	946.508	946.921	946.352	946.558	947.882	946.031	947.570	8
9	946.581	944.084	942.618	941.155	944.234A	946.600	946.938	946.383	946.637	947.823	946.026	947.543	9
10	946.532	944.032	942.568	941.187	944.248A	946.672	946.978	946.412	946.700	947.853	946.037	947.514	10
11	946.478	943.978	942.518	941.241	944.282A	946.608	946.918	946.475	946.756	947.880	946.036	947.488	11
12	946.432	943.926	942.461	941.300	944.281A	946.928	946.958	946.469	946.814	948.018	946.046	947.406	12
13	946.384	943.874	942.410	941.382	944.198A	946.976	946.985	946.478	946.882	948.006	946.036	947.382	13
14	946.348	943.827	942.356	941.478	944.087A	946.988	946.994	946.457	946.912	948.007	946.012	947.328	14
15	946.308	943.778	942.299	942.191	944.048A	946.026	946.987	946.484	946.972	947.982	947.982	947.309	15
16	946.286	943.726	942.250	942.476	944.043A	946.058	946.987	946.463	947.028	947.971	947.938	947.285	16
17	946.226	943.673A	942.193	942.647	944.058A	946.077	946.982	946.383	947.074	947.948	947.824	947.268	17
18	946.181	943.618A	942.134	942.738	944.081A	946.086	946.987	946.503	947.143	947.948	947.827	947.231	18
19	946.144	943.568A	942.072	942.808	944.130	946.024	946.981	946.538	947.218	947.988	947.838	947.179	19
20	946.101	943.512A	942.010	942.882A	944.148	946.881	946.974	946.770	947.271	947.994	947.948	947.128	20
21	946.064	943.468A	941.951	942.971A	944.144	946.906	946.926	946.815	947.318	948.010	947.988	947.081	21
22	946.022	943.404A	941.888	943.087A	944.130	946.888	946.108	946.887	947.362	948.033	947.951	948.092	22
23	944.881	943.348A	941.833	943.278A	944.114	946.886	946.189	947.028	947.380	948.034	947.917	948.828	23
24	944.836	943.298	941.778	943.467A	944.138	946.035	946.231	947.010	947.432	948.051	947.888	948.867	24
25	944.891	943.267	941.726	943.647A	944.180	946.088	946.260	946.981	947.483	948.070	947.888	948.818	25
26	944.843	943.204	941.673	943.783A	944.230	946.081	946.280	946.894	947.492	948.082	947.840	948.796	26
27	944.795	943.158	941.618	943.888A	944.270	946.086	946.282	946.814	947.532	948.089	947.814	948.777	27
28	944.750	943.108	941.586	943.948A	944.317	946.130	946.305	946.742	947.538	948.088	947.774	948.763	28
29	944.706		941.513	943.988A	944.384	946.080	946.363	946.683	947.588	948.087	947.742	948.743	29
30	944.659		941.466	944.020A	944.408	946.011	946.403	946.653	947.606	948.078	947.727	948.720	30
31	944.606A		941.417		944.486		946.393	946.606		948.086		948.696	31
MEAN	945.280	943.806	942.333	942.337	944.181	946.732	946.987	946.588	947.007	947.955	947.953	947.235	MEAN
MAX	946.946	944.598	943.056	944.020	944.486	946.130	946.403	947.028	947.606	948.089	948.046	947.706	MAX
MIN	944.606	943.108	941.417	941.151	944.043	946.537	946.933	946.343	946.473	947.646	947.727	948.696	MIN

WATER LEVELS IN METRES

MEAN, 946.544
MAXIMUM DAILY, 948.089 ON OCT 27
MINIMUM DAILY, 941.151 ON APR 6
MAXIMUM INSTANTANEOUS,
948.090 AT 23:09 MST ON OCT 27

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT. 52 02 47 N
LONG 114 13 38 W

A - MANUAL GAUGE

REGULATED SINCE 1983

DRAINAGE AREA,
5 600 km²

DOG RIVER NEAR FITZGERALD - STATION NO. 07NB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.488	1.188	1.088	1.088	5.508	15.8	6.58	2.78	1.43	1.07	0.883	0.8448	1
2	1.448	1.188	1.088	1.088	5.82A	16.1	6.36	2.71	1.41	1.08	0.8708	0.8448	2
3	1.438	1.188	1.088	1.108	6.87	16.5	6.16	2.67	1.38	1.04	0.8808	0.8438	3
4	1.428	1.178	1.088	1.118	6.86	16.0	6.01	2.63	1.38	1.02	0.8408	0.8438	4
5	1.418	1.178	1.088	1.128	6.71	14.8	5.86	2.63	1.38	1.00	0.8308	0.8428	5
6	1.408	1.188	1.088	1.138	6.83	14.2	5.84	2.44	1.38	1.02	0.8208	0.8428	6
7	1.388	1.188	1.088	1.188	6.478	13.8	5.42	2.34	1.38	1.03	0.8108	0.8408	7
8	1.388	1.188	1.088	1.178	6.88	13.1	5.24	2.28	1.38	1.02	0.8008	0.8408	8
9	1.368	1.188	1.088	1.188	6.48	12.8	5.08	2.21	1.40	1.00	0.8828	0.8428	9
10	1.378	1.148	1.088	1.218	7.10	12.2	4.92	2.14	1.38	1.00	0.8848	0.8468	10
11	1.368	1.148	1.088	1.238	7.47	11.8	4.78	2.08	1.38	1.05	0.8888	0.8488	11
12	1.368	1.138	1.068	1.268	7.88	11.4	4.82	1.98	1.30	1.07	0.8788	0.8518	12
13	1.368	1.138	1.068	1.288	8.04	11.0	4.47	1.81	1.38	1.07	0.8708	0.8548	13
14	1.338	1.138	1.068	1.328	8.08	10.4	4.27	1.83	1.38	1.08	0.8648	0.8578	14
15	1.338	1.128	1.048	1.388	8.17	10.0	4.11	1.77	1.27	1.07	0.8628	0.8608	15
16	1.328	1.128	1.048	1.408	8.31	10.2	3.94	1.71	1.26	1.07	0.8608	0.8638	16
17	1.318	1.118	1.048	1.488	8.12	10.2	3.81	1.68	1.24	1.08	0.8588	0.8678	17
18	1.308	1.118	1.048	1.508	8.43	10.2	3.68	1.60	1.25	1.08	0.8588	0.8708	18
19	1.308	1.108	1.048	1.558	8.68	10.2	3.81	1.63	1.22	1.08	0.8548	0.8738	19
20	1.308	1.108	1.048	1.808	10.1	10.2	3.40	1.62	1.21	1.10	0.8538	0.8778	20
21	1.288	1.108	1.048	1.878	11.7	9.86	3.32	1.58	1.20	1.12	0.8528	0.8808	21
22	1.278	1.098	1.048	1.748	13.1	9.34	3.34	1.61	1.20	1.12	0.8518	0.8838	22
23	1.268	1.088	1.048	1.828	13.8	9.06	3.33	1.58	1.21	1.13	0.8508	0.8878	23
24	1.258	1.088	1.048	1.858	14.5	8.88	3.32	1.57	1.20	1.13	0.8498	0.8908	24
25	1.268	1.088	1.048	2.088	15.0	8.58	3.27	1.54	1.21	1.14	0.8488	0.8938	25
26	1.248	1.078	1.058	2.218	15.2	8.24	3.17	1.51	1.18	1.14	0.8478	0.8978	26
27	1.238	1.078	1.058	2.388	15.4	7.74	3.04	1.51	1.10	1.14	0.8468	0.9008	27
28	1.228	1.068	1.068	2.708	15.6	7.44	2.98	1.51	1.08	1.13	0.8468	0.9038	28
29	1.238		1.068	3.408	15.8	7.17	2.91	1.48	1.10	1.10	0.8468	0.9078	29
30	1.318		1.078	4.408	15.9	6.88	2.90	1.47	1.08	1.07	0.8468	0.9108	30
31	1.308		1.078		15.8		2.84	1.45		1.03		0.9148	31
TOTAL	40.92	31.48	32.85	48.85	306.21	331.38	133.20	59.33	36.19	33.17	26.408	26.908	TOTAL
MEAN	1.32	1.12	1.05	1.58	9.88	11.0	4.28	1.91	1.27	1.07	0.880	0.868	MEAN
MAX	1.48	1.18	1.07	4.40	15.9	16.1	6.58	2.78	1.43	1.14	0.893	0.914	MAX
MIN	1.20	1.08	1.04	1.08	5.47	8.88	2.84	1.45	1.08	1.00	0.848	0.840	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.03
MAXIMUM DAILY, 16.1 ON JUN 2
MINIMUM DAILY, 0.840B ON DEC 7
MAXIMUM INSTANTANEOUS,
16.3 AT 02:43 MST ON JUN 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 52 35 N
LONG 111 31 15 W
DRAINAGE AREA, 2 020 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 540	JUL	11 400
FEB	2 720	AUG	5 130
MAR	2 810	SEP	3 300
APR	4 280	OCT	2 870
MAY	28 400	NOV	2 280
JUN	28 600	DEC	2 320

TOTAL DISCHARGE, 95 700 dam³

DRAIN L-5 NEAR DIAMOND CITY - STATION NO. 05AD040

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0	0.071	0.003	0.080	0.088	0.013	---	---	1
2	---	---	---	---	0	0.081	0.003	0.083	0.105	0.017	---	---	2
3	---	---	---	---	0	0.048	0.008	0.015	0.105	0.018	---	---	3
4	---	---	---	---	0	0.044	0.028	0.003	0.108	0.008	---	---	4
5	---	---	---	---	0	0.030	0.038	0.026	0.091	0.010	---	---	5
6	---	---	---	---	0	0.030	0.022	0.088	0.081	0.031	---	---	6
7	---	---	---	---	0	0.014	0.011	0.088	0.083	0.088	---	---	7
8	---	---	---	---	0	0.015	0.008	0.084	0.088	0.075	---	---	8
9	---	---	---	---	0	0.038	0.006	0.080	0.086	0.083	---	---	9
10	---	---	---	---	0	0.082	0.007	0.082	0.086	0.038	---	---	10
11	---	---	---	---	0	0.086	0.085	0.048	0.084	0.028	---	---	11
12	---	---	---	---	0	0.060	0.059	0.082	0.086	0.031	---	---	12
13	---	---	---	---	0	0.070	0.038	0.083	0.103	0.022	---	---	13
14	---	---	---	---	0	0.078	0.018	0.081	0.103	0.028	---	---	14
15	---	---	---	---	0.013	0.087	0.008	0.048	0.101	0.030	---	---	15
16	---	---	---	---	0.024	0.087	0.005	0.025	0.101	0.030	---	---	16
17	---	---	---	---	0.021	0.084	0.005	0.010	0.104	0.007	---	---	17
18	---	---	---	---	0.056	0.088	0.005	0.012	0.102	0.003	---	---	18
19	---	---	---	---	0.080	0.037	0.010	0.015	0.100	0.002	---	---	19
20	---	---	---	---	0.046	0.008	0.036	0.014	0.098	0.001	---	---	20
21	---	---	---	---	0.038	0.014	0.005	0.026	0.088	0.001	---	---	21
22	---	---	---	---	0.040	0.038	0.005	0.037	0.087	0	---	---	22
23	---	---	---	---	0.043	0.035	0.005	0.025	0.104	0	---	---	23
24	---	---	---	0 A	0.044	0.037	0.007	0.015	0.104	0	---	---	24
25	---	---	---	0	0.044	0.038	0.001	0.028	0.104	0	---	---	25
26	---	---	---	0	0.043	0.041	0.006	0.032	0.104	0	---	---	26
27	---	---	---	0	0.038	0.018	0.018	0.034	0.100	0	---	---	27
28	---	---	---	0.001	0.043	0.013	0.031	0.038	0.100	0	---	---	28
29	---		---	0	0.037	0.033	0.046	0.037	0.070	0	---	---	29
30	---		---	0	0.031	0.027	0.024	0.028	0.043	0	---	---	30
31	---		---		0.073		0.024	0.037		0 A		---	31
TOTAL	---	---	---	---	0.882	1.340	0.584	1.122	2.837	0.848	---	---	TOTAL
MEAN	---	---	---	---	0.022	0.045	0.018	0.036	0.095	0.018	---	---	MEAN
MAX	---	---	---	---	0.073	0.087	0.085	0.083	0.108	0.088	---	---	MAX
MIN	---	---	---	---	0	0.008	0.001	0.003	0.043	0	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.039
MAXIMUM DAILY, 0.108 ON SEP 4
MINIMUM DAILY, 0 ON MAY 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 27 30 N
LONG 112 51 30 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	47.9
FEB	---	AUG	86.9
MAR	---	SEP	248
APR	---	OCT	47.2
MAY	69.8	NOV	---
JUN	118	DEC	---

TOTAL DISCHARGE, 613 dam³

DRAIN S-10 NEAR BOW ISLAND - STATION NO. 05AJ003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.008	0.016	0.517	0.676	0.073	0.082	0.005	---	1
2	---	---	---	---	0.008	0.026	0.420	0.625	0.065	0.092	0.005	---	2
3	---	---	---	---	0.008	0.051	0.344	0.534	0.061	0.117	0.005	---	3
4	---	---	---	---	0.008	0.036	0.487	0.786	0.061	0.248	0.005	---	4
5	---	---	---	---	0.007	0.024	0.528	0.650	0.058	0.287	0.005	---	5
6	---	---	---	---	0.008	0.080	0.511	0.638	0.053	0.273	0.005	---	6
7	---	---	---	---	0.008	0.101	0.488	0.513	0.037	0.244	0.005A	---	7
8	---	---	---	---	0.008	0.102	0.530	0.412	0.005	0.139	---	---	8
9	---	---	---	---	0.008	0.284	0.683	0.388	0.004	0.167	---	---	9
10	---	---	---	---	0.005	0.284	0.788	0.485	0.004	0.127	---	---	10
11	---	---	---	---	0.004	0.488	0.586	0.436	0.003	0.085	---	---	11
12	---	---	---	---	0.004	0.200	0.500	0.511	0.003	0.060	---	---	12
13	---	---	---	---	0.005	0.180	0.551	0.328	0.003	0.028	---	---	13
14	---	---	---	---	0.005	0.233	0.727	0.288	0.003	0.005	---	---	14
15	---	---	---	---	0.005	0.316	0.431	0.345	0.005	0.003	---	---	15
16	---	---	---	---	0.004	0.388	0.517	0.388	0.004	0.003	---	---	16
17	---	---	---	---	0.004	0.438	0.518	0.337	0.002	0.003	---	---	17
18	---	---	---	---	0.040	0.337	0.510	0.314	0.004	0.003	---	---	18
19	---	---	---	---	0.358	0.358	0.848	0.137	0.004	0.002	---	---	19
20	---	---	---	---	0.300	0.221	0.707	0.283	0.003	0.003	---	---	20
21	---	---	---	---	0.328	0.331	0.713	0.228	0.003	0.003	---	---	21
22	---	---	---	---	0.311	0.387	0.861	0.186	0.002	0.003	---	---	22
23	---	---	---	---	0.338	0.441	0.874	0.204	0.002	0.004	---	---	23
24	---	---	---	---	0.582	0.488	0.842	0.248	0.002	0.003	---	---	24
25	---	---	---	0.010A	0.853	0.397	0.861	0.288	0.002	0.003	---	---	25
26	---	---	---	0.012	0.210	0.387	0.738	0.277	0.002	0.003	---	---	26
27	---	---	---	0.012	0.081	0.437	0.626	0.288	0.005	0.003	---	---	27
28	---	---	---	0.008	0.191	0.424	0.526	0.269	0.021	0.004	---	---	28
29	---		---	0.008	0.230	0.542	0.448	0.045	0.148	0.004	---	---	29
30	---		---	0.008	0.082	0.590	0.760	0.070	0.095	0.003	---	---	30
31	---		---		0.022		0.824	0.112		0.005		---	31
TOTAL	---	---	---	---	3.786	8.997	18.867	11.851	0.786	2.989	---	---	TOTAL
MEAN	---	---	---	---	0.122	0.287	0.813	0.382	0.026	0.086	---	---	MEAN
MAX	---	---	---	---	0.853	0.590	0.861	0.824	0.148	0.287	---	---	MAX
MIN	---	---	---	---	0.004	0.016	0.420	0.048	0.002	0.002	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.250
MAXIMUM DAILY, 0.861 ON JUL 25
MINIMUM DAILY, 0.002 ON SEP 23

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 55 10 N
LONG 111 24 50 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 640
FEB	---	AUG	1 020
MAR	---	SEP	88.1
APR	---	OCT	178
MAY	327	NOV	---
JUN	743	DEC	---

TOTAL DISCHARGE, 3 980 dam³

DRAIN S-8 NEAR BOW ISLAND - STATION NO. 05AJ004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.002	0.049	0.447	0.182	0.186	0.200E	0.008	---	1
2	---	---	---	---	0.002	0.011	0.383	0.187	0.181	0.250E	0.008	---	2
3	---	---	---	---	0.002	0.006	0.321	0.180	0.177	0.315E	0.008	---	3
4	---	---	---	---	0.002	0.004	0.302	0.158	0.169	0.350E	0.008	---	4
5	---	---	---	---	0.002	0.004	0.174	0.098	0.158	0.400E	0.008	---	5
6	---	---	---	---	0.002	0.009	0.140	0.086	0.174	0.380E	0.008	---	6
7	---	---	---	---	0.002	0.055	0.073	0.108	0.182	0.350E	0.008A	---	7
8	---	---	---	---	0.002	0.038	0.026	0.078	0.180	0.315E	---	---	8
9	---	---	---	---	0.002	0.036	0.024	0.077	0.180	0.288E	---	---	9
10	---	---	---	---	0.002	0.047	0.028	0.083	0.177	0.260E	---	---	10
11	---	---	---	---	0.002	0.028	0.107	0.088	0.187	0.244A	---	---	11
12	---	---	---	---	0.002	0.026	0.080	0.078	0.183	0.208	---	---	12
13	---	---	---	---	0.002	0.143	0.034	0.128	0.183	0.178	---	---	13
14	---	---	---	---	0.002	0.513	0.181	0.168	0.088	0.148	---	---	14
15	---	---	---	---	0.002	0.348	0.221	0.108	0.088	0.108	---	---	15
16	---	---	---	---	0.002	0.241	0.178	0.218	0.088	0.084	---	---	16
17	---	---	---	---	0.002	0.231	0.211	0.248	0.082	0.071	---	---	17
18	---	---	---	---	0.002	0.168	0.233	0.228	0.080A	0.082	---	---	18
19	---	---	---	---	0.002	0.152	0.278	0.210	0.110E	0.064	---	---	19
20	---	---	---	---	0.002	0.081	0.262	0.227	0.130E	0.031	---	---	20
21	---	---	---	---	0.002	0.101	0.157	0.227	0.123E	0.010	---	---	21
22	---	---	---	---	0.002	0.081	0.380	0.207	0.081A	0.010	---	---	22
23	---	---	---	---	0.002	0.087	0.377	0.220	0.086	0.008	---	---	23
24	---	---	---	---	0.003	0.088	0.314	0.214	0.034	0.008	---	---	24
25	---	---	---	0.003A	0.003	0.081	0.278	0.211	0.025	0.008	---	---	25
26	---	---	---	0.003	0.002	0.088	0.443	0.208	0.104	0.008	---	---	26
27	---	---	---	0.003	0.002	0.043	0.428	0.208	0.119	0.008	---	---	27
28	---	---	---	0.002	0.003	0.021	0.340	0.195	0.109	0.008	---	---	28
29	---		---	0.002	0.003	0.015	0.243	0.210	0.121A	0.008	---	---	29
30	---		---	0.002	0.028	0.183	0.157	0.189	0.155E	0.008	---	---	30
31	---		---		0.027		0.170	0.184		0.008		---	31
TOTAL	---	---	---	---	0.115	2.945	5.959	5.335	3.879	4.388	---	---	TOTAL
MEAN	---	---	---	---	0.004	0.098	0.224	0.172	0.129	0.142	---	---	MEAN
MAX	---	---	---	---	0.027	0.513	0.447	0.248	0.186	0.400	---	---	MAX
MIN	---	---	---	---	0.002	0.004	0.024	0.063	0.025	0.008	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.126
MAXIMUM DAILY, 0.513 ON JUN 14
MINIMUM DAILY, 0.002 ON MAY 1

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 54 05 N
LONG 111 25 38 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	801
FEB	---	AUG	460
MAR	---	SEP	335
APR	---	OCT	379
MAY	8.84	NOV	---
JUN	264	DEC	---

TOTAL DISCHARGE, 2 040 dam³

DRAIN Y-1 NEAR TABER - STATION NO. 05AG027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.001	0.037	0.022	0.067	0.041	0.106	---	---	1
2	---	---	---	---	0.001	0.035	0.058	0.103	0.055	0.076	---	---	2
3	---	---	---	---	0.001	0.035	0.095	0.117	0.051	0.044	---	---	3
4	---	---	---	---	0.001	0.046	0.104	0.002	0.055	0.053	---	---	4
5	---	---	---	---	0.001	0.046	0.106	0.015	0.060	0.074	---	---	5
6	---	---	---	---	0	0.145	0.103	0.121	0.048	0.067	---	---	6
7	---	---	---	---	0.001	0.180	0.168	0.118	0.004	0.104	---	---	7
8	---	---	---	---	0.001	0.130	0.267	0.025	0	0.128	---	---	8
9	---	---	---	---	0.001	0.077	0.144	0.073	0	0.081	---	---	9
10	---	---	---	---	0	0.118	0.128	0.107	0	0.085	---	---	10
11	---	---	---	---	0	0.487	0.112	0.127	0	0.015	---	---	11
12	---	---	---	---	0	0.234	0.122	0.140	0	0.010	---	---	12
13	---	---	---	---	0	0.128	0.156	0.177	0	0.004	---	---	13
14	---	---	---	---	0.002	0.085	0.268	0.180	0	0.003	---	---	14
15	---	---	---	---	0.038	0.079	0.320	0.023	0.008	0.012	---	---	15
16	---	---	---	---	0.052	0.072	0.277	0.053	0.071	0.003	---	---	16
17	---	---	---	---	0.041	0.026	0.268	0.033	0.048	0.001	---	---	17
18	---	---	---	---	0.032	0.017	0.188	0.031	0.044	0.001	---	---	18
19	---	---	---	---	0.052	0.018	0.206	0.047	0.047	0.001	---	---	19
20	---	---	---	0.003A	0.050	0.018	0.258	0.057	0.053	0.001	---	---	20
21	---	---	---	0.001	0.078	0.005	0.258	0.052	0.040	0.001	---	---	21
22	---	---	---	0.003	0.051	0.021	0.206	0.028	0.050	0.001	---	---	22
23	---	---	---	0.001	0.074	0.037	0.163	0.012A	0.056	0.002	---	---	23
24	---	---	---	0	0.101	0.071	0.185	0.008A	0.047	0.001	---	---	24
25	---	---	---	0.001	0.108	0.048	0.326	0.015A	0.040	0.001	---	---	25
26	---	---	---	0.022	0.058	0.109	0.250	0.008E	0.034	0.001	---	---	26
27	---	---	---	0.005	0.050	0.055	0.274	0.011A	0.071	0.001	---	---	27
28	---	---	---	0.002	0.108	0.053	0.268	0.018A	0.053	0.001	---	---	28
29	---		---	0.002	0.078	0.124	0.145	0.016	0.054	0.001	---	---	29
30	---		---	0.001	0.031	0.055	0.108	0.020	0.053	0.001	---	---	30
31	---		---		0.047		0.078	0.018		0.003A		---	31
TOTAL	---	---	---	---	1.065	2.820	5.737	1.931	1.151	0.935	---	---	TOTAL
MEAN	---	---	---	---	0.034	0.057	0.185	0.062	0.038	0.030	---	---	MEAN
MAX	---	---	---	---	0.108	0.487	0.325	0.180	0.053	0.128	---	---	MAX
MIN	---	---	---	---	0	0.005	0.022	0.002	0	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.072
MAXIMUM DAILY, 0.487 ON JUN 11
MINIMUM DAILY, 0 ON MAY 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 46 10 N
LONG 112 13 52 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	486
FEB	---	AUG	187
MAR	---	SEP	88.4
APR	---	OCT	80.8
MAY	83.0	NOV	---
JUN	238	DEC	---

TOTAL DISCHARGE, 1 180 dam³

DRIEDMEAT CREEK NEAR THE MOUTH - STATION NO. 05PA010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.90 B	0.117	0.028	0.051	0.008	0.035	0.005	---	---	1
2	---	---	0 B	1.80 B	0.138	0.034	0.038	0.044	0.025	0.010	---	---	2
3	---	---	0 B	1.76 B	0.089	0.023	0.015	0.008	0.148	0.015	---	---	3
4	---	---	0 B	1.78 B	0.084	0.015	0.005	0.021	0.087	0.028	---	---	4
5	---	---	0 B	1.74 B	0.080	0.005	0.004	0.047	0.084	0.032	---	---	5
6	---	---	0 B	1.73 B	0.048	0.002	0.010	0.088	0.052	0.036	---	---	6
7	---	---	0 B	1.73 B	0.051	0.005	0.043	0.184	0.035	0.037	---	---	7
8	---	---	0 B	1.72 B	0.055	0.065	0.233	0.257	0.010	0.018	---	---	8
9	---	---	0 B	1.70 B	0.041	0.148	0.288	0.174	0.006	0.018	---	---	9
10	---	---	0 B	1.72 B	0.037	0.055	0.105	0.020	0.007	0.028	---	---	10
11	---	---	0 B	1.74 B	0.038	0.052	0.318	0.090	0.032	0.043	---	---	11
12	---	---	0 B	1.26	0.038	0.041	0.282	0.014	0.026	0.044	---	---	12
13	---	---	0 B	1.11	0.038	0.029	0.318	0.014	0.001	0.048	---	---	13
14	---	---	0 B	0.838	0.031	0.028	0.116	0.006	0.001	0.058	---	---	14
15	---	---	0 B	0.518	0.032	0.025	0.058	0.012	0.001	0.059	---	---	15
16	---	---	0 B	0.488	0.025	0.018	0.048	0.004	0.001	0.055	---	---	16
17	---	---	0 B	0.751	0.031	0.018	0.035	0.004	0.001	0.057	---	---	17
18	---	---	0 B	0.838	0.034	0.010	0.032	0.004	0.001	0.053	---	---	18
19	---	---	0 B	0.854	0.083	0.008	0.084	0.018	0.001	0.053	---	---	19
20	---	---	0 B	0.708	0.075	0.009	0.148	0.008	0.001	0.054	---	---	20
21	---	---	0 B	1.57	0.045	0.011	0.204	0.008	0.001	0.057	---	---	21
22	---	---	0 B	0.825	0.033	0.010	0.235	0.012	0.007	0.045	---	---	22
23	---	---	0 B	0.563	0.033	0.008	0.188	0.006	0.011	0.040	---	---	23
24	---	---	0 B	0.367	0.035	0.008	0.138	0.004	0.002	0.042	---	---	24
25	---	---	0 B	0.189	0.035	0.008	0.080	0.012	0.003	0.047	---	---	25
26	---	---	0 B	0.138	0.040	0.008	0.047	0.030	0.014	0.055	---	---	26
27	---	---	0 B	0.385	0.031	0.018	0.018	0.055	0.018	0.115	---	---	27
28	---	---	0 B	0.230	0.028	0.024	0.008	0.017	0.017	0.128	---	---	28
29	---		0.040B	0.182	0.036	0.041	0.008	0.084	0.034	0.126	---	---	29
30	---		0.110B	0.174	0.033	0.110	0.013	0.031	0.017	0.121	---	---	30
31	---		0.200B		0.030		0.008	0.058		0.137A		---	31
TOTAL	---	---	0.350	29.830	1.531	0.906	3.182	1.330	0.540	1.882	---	---	TOTAL
MEAN	---	---	0.011	0.993	0.049	0.030	0.103	0.043	0.021	0.064	---	---	MEAN
MAX	---	---	0.200	1.78	0.138	0.148	0.318	0.257	0.148	0.137	---	---	MAX
MIN	---	---	0	0.138	0.025	0.002	0.004	0.004	0.001	0.005	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.181
MAXIMUM DAILY, 1.780 ON APR 3
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 52 53 N
LONG 112 36 30 W
DRAINAGE AREA, 1 150 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	275
FEB	---	AUG	118
MAR	30.2	SEP	88.3
APR	2 580	OCT	148
MAY	132	NOV	---
JUN	78.3	DEC	---

TOTAL DISCHARGE, 3 430 dam³

DRIEDMEAT LAKE AT OUTFLOW - STATION NO. 06FA020

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	885.178	885.041	884.885	884.782	884.758	884.742	---	---	1
2	---	---	---	---	885.160	885.032	884.868	884.777	884.770	884.689	---	---	2
3	---	---	---	---	885.159	885.018	884.842	884.804	884.783	884.692	---	---	3
4	---	---	---	---	885.153	885.006	884.846	884.788	884.777	884.712	---	---	4
5	---	---	---	---	885.104	885.000	884.839	884.778	884.788	884.708	---	---	5
6	---	---	---	---	885.120	885.012	884.831	884.784	884.788	884.694	---	---	6
7	---	---	---	---	885.110	884.984	884.824	884.787	884.783	884.698	---	---	7
8	---	---	---	---	885.080	884.964	884.855	884.770	884.788	884.705	---	---	8
9	---	---	---	---	885.040	884.987	884.836	884.783	884.774	884.874	---	---	9
10	---	---	---	---	885.044	884.981	884.826	884.783	884.781	884.704	---	---	10
11	---	---	---	---	885.075	884.988	884.856	884.788	884.738	884.894	---	---	11
12	---	---	---	---	885.048	884.942	884.838	884.755	884.751	884.888	---	---	12
13	---	884.888A	---	885.022	885.030	884.895	884.834	884.762	884.758	884.887	---	---	13
14	---	---	---	885.067	885.012	884.818	884.834	884.740	884.758	884.700	---	---	14
15	---	---	---	885.118	885.000	884.937	884.822	884.748	884.781	884.708	---	---	15
16	---	---	---	885.133	885.003	884.824	884.836	884.748	884.772	884.888	---	---	16
17	---	---	---	885.152	885.008	884.811	884.838	884.767	884.788	884.885	---	---	17
18	---	---	---	885.178	884.988	884.903	884.824	884.768	884.758	884.877	---	---	18
19	---	---	---	885.181	885.078	884.903	884.814	884.752	884.784	884.710A	---	---	19
20	---	---	---	885.208	885.040	884.901	884.818	884.783	884.747	884.717E	---	---	20
21	---	---	---	885.224	885.004	884.883	884.827	884.782	884.788	884.723E	---	---	21
22	---	---	884.882A	885.238	884.881	884.888	884.828	884.782	884.711	884.730E	---	---	22
23	---	---	---	885.243	884.886	884.888	884.818	884.774	884.738	884.735E	---	---	23
24	---	---	---	885.241	884.898	884.884	884.830	884.788	884.743	884.743E	---	---	24
25	---	---	---	885.238	884.892	884.886	884.803	884.770	884.720	884.748E	---	---	25
26	---	---	---	885.232	884.887	884.828	884.788	884.783	884.734	884.788A	---	---	26
27	---	---	---	885.227	885.021	884.885	884.788	884.780	884.745	884.778	---	---	27
28	---	---	---	885.218	885.001	884.871	884.780	884.758	884.724	884.783	---	---	28
29	---		---	885.187	885.008	884.884	884.781	884.755	884.718	884.788	---	---	29
30	---		---	885.178	885.024	884.888	884.788	884.782	884.783	884.787A	---	---	30
31	---		---		885.022		884.788	884.781		884.787E		---	31
MEAN	---	---	---	---	885.047	884.928	884.828	884.784	884.758	884.720	---	---	MEAN
MAX	---	---	---	---	885.180	885.041	884.888	884.804	884.788	884.787	---	---	MAX
MIN	---	---	---	---	884.988	884.828	884.788	884.740	884.711	884.888	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 885.243 ON APR 23

MAXIMUM INSTANTANEOUS,
885.353 AT 17:02 MST ON APR 22

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 47 30 N
LONG 112 43 30 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
7 240 km²

DRIFTWOOD RIVER NEAR THE MOUTH - STATION NO. 07BK007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.1878	0.3488	0.2888	0.3328	9.80	16.6	8.39	3.39	4.26	1.42	0.8218	0.8718	1
2	0.1888	0.3408	0.2488	0.3488	9.78	16.5	8.38	3.71	4.88	1.28	0.8438	0.8188	2
3	0.2078	0.3328	0.2368	0.3588	9.18	16.2	17.0	5.06	4.84	1.38	0.8228	0.8088	3
4	0.1988	0.3448	0.2278	0.3708	9.18	16.1	16.8	12.0	4.18	1.41	0.8348	0.8218	4
5	0.2188	0.3628	0.2308	0.4028	8.87	17.3	14.5	16.4	3.80	1.30	0.8868	0.8288	5
6	0.2248	0.3028	0.2388	0.3888	7.98	16.2	12.6	13.2	3.61	1.27	0.8418	0.8048	6
7	0.2448	0.3708	0.2628	0.3988	7.84	16.1	11.2	11.2	3.18	1.35	1.02 E	0.8878	7
8	0.2248	0.3628	0.2668	0.4148	8.17	17.3	10.2	10.0	2.84	1.38	1.08 E	0.8858	8
9	0.2248	0.3688	0.2828	0.4708	8.28	17.4	9.82	7.61	2.84	1.26	1.05 E	0.8278	9
10	0.2418	0.3868	0.2988	0.4808	7.82	17.0	10.2	8.92	2.67	1.33	1.05 E	0.7888	10
11	0.2858	0.3928	0.3618	0.6678	7.42	16.1	10.5	5.18	2.40	1.27	0.8328	0.8118	11
12	0.3188	0.4148	0.2888	0.8788	7.80	16.1	9.59	4.36	2.26	1.25	0.8428	0.8468	12
13	0.3338	0.3888	0.2828	1.13 E	7.27	14.1	8.44	4.14	2.15	1.26	1.00 E	0.8888	13
14	0.3568	0.3628	0.2888	1.31 E	8.73	12.7	7.48	3.78	2.07	1.26	1.02 E	0.8108	14
15	0.3868	0.3408	0.2568	1.21 E	8.34	11.4	8.78	3.26	1.83	1.26	1.01 E	0.8878	15
16	0.3448	0.3408	0.2498	1.20 E	8.87	10.4	8.03	2.83	1.88	1.15	1.03 E	0.8458	16
17	0.3668	0.3268	0.2488	1.88 E	8.46	10.1	5.58	2.87	1.81	1.13 E	1.08 E	0.8838	17
18	0.3628	0.3188	0.2388	2.17 E	8.62	9.81	5.30	2.56	1.88	1.18	1.08 E	0.7818	18
19	0.3568	0.3268	0.2448	2.21 E	8.88	8.87	5.18	2.88	1.81	1.11	1.08 E	0.8408	19
20	0.3888	0.3288	0.2888	2.31 E	10.4	8.71	4.87	2.89	1.78	1.08	1.04 E	0.8008	20
21	0.3888	0.3338	0.2618	2.81 E	15.7	8.88	4.85	2.48	1.81	1.07	1.01 E	0.8788	21
22	0.3618	0.3988	0.3038	4.81 E	15.3	8.44	4.48	2.40	1.81	1.08	0.8888	0.8308	22
23	0.3748	0.3778	0.3378	4.67 E	17.7	10.1	4.58	2.38	1.73	1.04	1.08 E	0.8888	23
24	0.3888	0.3858	0.3858	5.88 E	22.8	10.4	4.50	2.88	1.67	1.08	1.04 E	0.8888	24
25	0.3888	0.3888	0.3858	7.48	31.8	10.0	4.08	3.81	1.80	1.04	0.8808	0.8628	25
26	0.4118	0.3888	0.3888	7.88	33.3	9.80	3.88	4.12	1.55	0.883	0.8858	0.7538	26
27	0.4448	0.3818	0.3828	8.24	30.8	9.16	3.73	3.80	1.47	1.07	0.8218	0.8788	27
28	0.4708	0.3078	0.3818	8.20	28.8	8.28	3.45	3.88	1.37	1.03	0.8088	0.8428	28
29	0.4748		0.3928	8.86	31.8	8.14	3.02	3.88	1.38	0.8048	0.8328	0.8088	29
30	0.4588		0.3078	8.88	30.4	8.18	3.13	4.00	1.44	0.8878	0.8888	0.8858	30
31	0.3748		0.3228		18.8		3.44	4.07		0.8288		0.7488	31
TOTAL	10.078	10.001	8.841	87.284	410.55	384.11	233.05	158.42	72.11	38.480	29.310	28.428	TOTAL
MEAN	0.325	0.357	0.278	2.81	13.2	12.8	7.52	5.14	2.40	1.18	0.977	0.820	MEAN
MAX	0.474	0.414	0.386	8.88	33.3	16.8	17.0	16.4	4.88	1.42	1.08	0.871	MAX
MIN	0.187	0.307	0.227	0.333	8.48	8.14	3.02	3.38	1.37	0.887	0.821	0.630	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.02
MAXIMUM DAILY, 33.3 ON MAY 26
MINIMUM DAILY, 0.1878 ON JAN 1
MAXIMUM INSTANTANEOUS,
36.8 AT 15:30 MST ON MAY 25

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 15 15 N
LONG 114 13 84 W
DRAINAGE AREA, 2 100 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	671	JUL	20 100
FEB	664	AUG	13 600
MAR	738	SEP	6 230
APR	7 540	OCT	3 150
MAY	35 500	NOV	2 530
JUN	33 200	DEC	2 200

TOTAL DISCHARGE, 127 000 dam³

DRY COULEE NEAR MAGRATH - STATION NO. 05AE041

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.038	0.285	0.158	0.423	0.312	0.158	0.0068	---	1
2	---	---	---	---	0.037	0.351	0.405	0.333	0.302	0.133	---	---	2
3	---	---	---	---	0.036	0.328	0.438	0.588	0.271	0.160	---	---	3
4	---	---	---	---	0.034	0.271	0.304	0.706	0.207	0.178	---	---	4
5	---	---	---	---	0.028	0.237	0.340	0.868	0.190	0.154	---	---	5
6	---	---	---	---	0.023	0.286	0.393	0.408	0.153	0.200	---	---	6
7	---	---	---	---	0.022	0.313	0.478	0.402	0.108	0.127	---	---	7
8	---	---	---	---	0.021	0.280	0.453	0.483	0.181	0.183	---	---	8
9	---	---	---	---	0.018	0.311	0.718	0.531	0.112	0.248	---	---	9
10	---	---	---	---	0.015	0.855	0.855	0.522	0.088	0.255	---	---	10
11	---	---	---	---	0.088	1.04	0.889	0.388	0.085	0.327	---	---	11
12	---	---	---	---	0.117	0.548	0.740	0.388	0.055	0.348	---	---	12
13	---	---	---	---	0.188	0.282	0.731	0.478	0.051	0.478	---	---	13
14	---	---	---	---	0.382	0.128	0.938	0.408	0.058	0.280	---	---	14
15	---	---	---	---	0.331	0.092	0.840	0.330	0.053	0.038	---	---	15
16	---	---	---	---	0.247	0.083	0.723	0.304	0.042	0.001	---	---	16
17	---	---	---	---	0.231	0.077	0.613	0.180A	0.038	0	---	---	17
18	---	---	---	---	0.208	0.075	0.513	0.180E	0.058	0	---	---	18
19	---	---	---	---	0.201	0.104	0.578	0.300E	0.045	0	---	---	19
20	---	---	---	---	0.227	0.209	0.828	0.330E	0.031	0	---	---	20
21	---	---	---	---	0.257	0.285	0.742	0.370E	0.028	0	---	---	21
22	---	---	---	---	0.333	0.378	0.512	0.400E	0.022	0	---	---	22
23	---	---	---	---	0.378	0.338	0.458	0.370E	0.018A	0	---	---	23
24	---	---	---	0.048A	0.534	0.308	0.548	0.340E	0.013E	0	---	---	24
25	---	---	---	0.040	0.489	0.483	0.618	0.500E	0.011E	0	---	---	25
26	---	---	---	0.048	0.448	0.383	0.478	0.370E	0.008A	0	---	---	26
27	---	---	---	0.064	0.475	0.143	0.257	0.280E	0.008	0.002	---	---	27
28	---	---	---	0.083	0.773	0.087	0.405	0.270E	0.004	0.008	---	---	28
29	---		---	0.065	0.630	0.185	0.455	0.180E	0.004	0.0108	---	---	29
30	---		---	0.050	0.818	0.111	0.447	0.228A	0.072	0.0118	---	---	30
31	---		---		0.413		0.831	0.350		0.0108		---	31
TOTAL	---	---	---	---	8.038	8.843	17.384	12.227	3.680	3.287	---	---	TOTAL
MEAN	---	---	---	---	0.259	0.288	0.581	0.394	0.088	0.108	---	---	MEAN
MAX	---	---	---	---	0.830	1.04	0.955	0.706	0.312	0.478	---	---	MAX
MIN	---	---	---	---	0.018	0.075	0.158	0.180	0.004	0	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.383
MAXIMUM DAILY, 1.04 ON JUN 11
MINIMUM DAILY, 0 ON OCT 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 29 38 N
LONG 112 55 48 W
DRAINAGE AREA, 84.9 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 500
FEB	---	AUG	1 080
MAR	---	SEP	233
APR	---	OCT	284
MAY	995	NOV	---
JUN	747	DEC	---

TOTAL DISCHARGE, 4 510 dam³

DRYWOOD CREEK NEAR THE MOUTH - STATION NO. 05AD010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.4308	0.2108	0.2338	0.538	4.02	15.4	5.08	2.08	4.32	2.08	1.40	1.83 B	1
2	0.3808	0.1958	0.2378	0.518	7.81	15.8	4.84	1.98	4.24	1.88	1.41	1.78 B	2
3	0.3808	0.1858	0.2408	0.443	7.72	15.7	3.98	1.91	4.17	1.80	1.38	1.81 B	3
4	0.3588	0.1888	0.2478	0.533	8.04	13.8	3.57	1.83	3.84	1.78	1.58	1.74 B	4
5	0.3108	0.1988	0.2808	0.668	8.38	13.2	3.38	1.88	4.15	1.73	1.52	1.87 B	5
6	0.2588	0.2018	0.2758	0.688	14.4	15.8	3.15	1.88	3.87	1.71	1.45	1.48 B	6
7	0.2268	0.2168	0.3008	1.38	17.8	15.7	2.90	1.78	3.77	1.84	1.43	1.33 B	7
8	0.1858	0.2348	0.3208	1.15	16.5	13.2	2.75	1.92	3.80	1.87	1.28	1.48 B	8
9	0.1888	0.2438	0.2828	0.883	13.2	12.5	2.71	1.77	4.03	1.82	1.18	1.27 B	9
10	0.2018	0.2588	0.8418	0.691	12.5	15.0	2.98	1.88	4.83	1.42	1.83	0.8888	10
11	0.2088	0.2888	0.7618	0.898	12.8	32.8	2.80	1.82	4.49	1.43	4.88	0.8208	11
12	0.2148	0.2838	1.13 B	0.882	10.1	21.8	2.62	1.87	4.25	1.40	8.61	0.8708	12
13	0.2138	0.2868	1.18 B	1.07	7.87	18.4	8.21	1.84	3.87	1.82	5.80	1.80 B	13
14	0.2128	0.3008	0.8428	1.28	8.12	14.1	18.8	1.88	3.84	1.48	4.78	1.82 B	14
15	0.2098	0.2888	0.7588	1.87	8.16	12.8	12.3	1.80	3.30	1.82	3.88	1.41 B	15
16	0.2088	0.2708	0.7218	2.08	6.88	12.4	8.88	1.44	3.05	1.48	3.51	1.34 B	16
17	0.2108	0.2808	0.7108	1.88	8.44	10.1	8.00	1.42	3.23	1.42	3.18	1.18 B	17
18	0.2148	0.2518	0.6808	1.63	8.80	9.22	8.02	1.42	3.38	1.33	3.03	1.08 B	18
19	0.2138	0.2558	0.652	1.88	4.84	7.35	8.32	1.33	3.15	1.34	3.11	0.8808	19
20	0.2128	0.2648	0.588	2.62	4.26	8.63	4.78	1.23	2.88	1.31	3.20	0.8108	20
21	0.2068	0.2758	0.588	5.44	3.86	8.82	4.00	1.17	2.87	1.45	3.08	0.8708	21
22	0.2008	0.2628	0.518	7.14	3.87	8.02	3.82	1.12	2.84	1.37	2.71	0.8808	22
23	0.1888	0.2658	0.472	8.14	4.12	8.20	3.33	1.12	2.38	1.42	2.78	1.27 B	23
24	0.1888	0.2808	0.442	4.80	4.21	8.18	3.05	1.78	2.27	1.42	2.71	1.28 B	24
25	0.2018	0.2658	0.514	3.91	4.10	7.38	2.83	3.30	2.18	1.88	2.48	1.29 B	25
26	0.2108	0.2858	0.884	3.40	3.80	7.74	2.80	5.87	2.08	1.58	2.15	1.28 B	26
27	0.2188	0.2448	0.781	3.03	3.31	7.48	2.88	8.87	1.98	1.51	1.888	1.25 B	27
28	0.2258	0.2378	0.822	2.58	4.04	8.57	2.80	7.38	1.83	1.52	1.748	1.16 B	28
29	0.2288		0.781	2.08	3.85	9.88	2.31	8.71	1.85	1.46	1.628	1.06 B	29
30	0.2308		0.898	3.24	4.11	8.37	2.21	8.88	1.82	1.40	1.828	1.08 B	30
31	0.2348		0.844		7.01		2.13	8.04		1.47		1.20 B	31
TOTAL	7.347	8.868	17.808	88.288	224.27	383.58	148.80	78.37	97.88	47.80	78.87	38.088	TOTAL
MEAN	0.237	0.268	0.574	2.18	7.23	11.8	4.73	2.58	3.28	1.83	2.82	1.28	MEAN
MAX	0.430	0.300	1.18	7.14	17.8	32.8	18.8	7.38	4.83	2.08	8.81	1.81	MAX
MIN	0.188	0.188	0.332	0.443	3.31	8.02	2.13	1.12	1.82	1.31	1.18	0.828	MIN

SUMMARY FOR THE YEAR 1989

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.18
MAXIMUM DAILY, 32.8 ON JUN 11
MINIMUM DAILY, 0.1858 ON FEB 3
MAXIMUM INSTANTANEOUS,
38.0 AT 08:38 MST ON JUN 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 17 36 N
LONG 113 47 38 W
DRAINAGE AREA, 238 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	835	JUL	12 700
FEB	804	AUG	8 880
MAR	1 540	SEP	8 440
APR	5 840	OCT	4 100
MAY	19 400	NOV	5 800
JUN	30 800	DEC	3 380

TOTAL DISCHARGE, 101 000 dam³

DUTCH CREEK NEAR THE MOUTH - STATION NO. 05AA026

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	3.04	5.54	2.24	0.930E	0.992	0.990	0.540B	---	1
2	---	---	---	---	3.80	6.38	2.20 A	0.920E	1.10	0.614	0.564B	---	2
3	---	---	---	---	3.75	6.51	2.05 E	0.885A	1.22	0.600B	---	---	3
4	---	---	---	---	4.33	6.43	1.95 E	0.857	1.12	0.614B	---	---	4
5	---	---	---	---	5.18	7.05	1.85 E	0.835	1.29	0.579	---	---	5
6	---	---	---	---	7.22	8.15	1.73 E	0.820	1.32	0.571	---	---	6
7	---	---	---	---	8.26	8.04	1.60 E	0.845	1.25	0.548	---	---	7
8	---	---	---	---	7.77	7.41	1.50 E	0.811	1.27	0.527	---	---	8
9	---	---	---	---	7.57	7.44	1.40 E	0.845	1.22	0.512	---	---	9
10	---	---	---	---	7.78	6.86	1.91 E	0.785	1.23	0.508	---	---	10
11	---	---	---	---	7.13	6.08	1.65 E	0.737	1.20	0.547	---	---	11
12	---	---	---	---	5.82	5.64	1.32 E	0.702	1.12	0.570	---	---	12
13	---	---	---	---	4.83	5.76	1.66 E	0.860	1.06	0.552	---	---	13
14	---	---	---	---	4.33	5.66	2.21 E	0.885	1.02	1.02	---	---	14
15	---	---	---	---	4.20	5.36	1.83 E	0.670	0.984	0.806	---	---	15
16	---	---	---	---	4.45	5.12	1.81 E	0.827	0.945	0.708	---	---	16
17	---	---	---	---	4.64	4.49	1.73 E	0.598	0.826	0.659B	---	---	17
18	---	---	---	---	4.33	3.96	1.62 E	0.587	0.830	0.639B	---	---	18
19	---	---	---	---	3.90	3.82	1.50 E	0.564	0.898	0.632	---	---	19
20	---	---	---	1.97B	3.58	3.82	1.46 E	0.544	0.857	0.719	---	---	20
21	---	---	---	2.10B	3.50	3.19	1.39 E	0.555	0.840	1.48	---	---	21
22	---	---	---	2.00B	3.57	2.86	1.33 E	0.550	0.806	1.22	---	---	22
23	---	---	---	1.85B	3.57	2.84	1.26 E	0.525	0.781	1.05	---	---	23
24	---	---	---	1.60B	3.82	2.84	1.22 E	0.518	0.781	1.06	---	---	24
25	---	---	---	1.45B	3.72	3.23	1.17 E	0.593	0.747	0.870	---	---	25
26	---	---	---	1.33B	3.79	2.80	1.12 E	0.759	0.725	0.688	---	---	26
27	---	---	---	1.27B	3.66	2.70	1.06 E	0.982	0.692	0.652	---	---	27
28	---	---	---	1.23B	3.53	2.52	1.03 E	1.16	0.672	0.610B	---	---	28
29	---		---	1.28B	3.51	2.40	1.01 E	1.06	0.658	0.620B	---	---	29
30	---		---	2.07B	3.78	2.35	1.00 E	0.975	0.645	0.750B	---	---	30
31	---		---		4.83		0.999E	0.929		0.650B		---	31
TOTAL	---	---	---	---	147.61	147.50	47.739	23.932	29.179	23.344	---	---	TOTAL
MEAN	---	---	---	---	4.76	4.92	1.54	0.772	0.973	0.753	---	---	MEAN
MAX	---	---	---	---	8.26	8.15	2.24	1.16	1.32	1.48	---	---	MAX
MIN	---	---	---	---	3.04	2.35	0.999	0.525	0.645	0.508	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.26
MAXIMUM DAILY, 8.26 ON MAY 7
MINIMUM DAILY, 0.508 ON OCT 10
MAXIMUM INSTANTANEOUS,
9.56 AT 20:35 MST ON MAY 7

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 54 05 N
LONG 114 25 49 W
DRAINAGE AREA, 143 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4 120
FEB	---	AUG	2 070
MAR	---	SEP	2 520
APR	---	OCT	2 020
MAY	12 700	NOV	---
JUN	12 700	DEC	---

TOTAL DISCHARGE, 38 100 dam³

EAST PRAIRIE RIVER NEAR ENILDA - STATION NO. 07BF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.205B	0.283B	19.8	23.5	43.8	3.20E	11.1	3.20E	---	---	1
2	---	---	0.200B	0.366B	21.2	21.6	92.2	2.87	9.76	4.50E	---	---	2
3	---	---	0.195B	0.390B	19.9	19.1	77.7	3.08	9.41	4.58	---	---	3
4	---	---	0.190B	0.425B	15.4	16.1	50.8	108	8.00	4.45	---	---	4
5	---	---	0.180B	0.440B	13.2	14.3	37.8	183	7.41	4.40	---	---	5
6	---	---	0.180B	0.460B	18.8	12.5	23.4	76.9	7.00	4.34	---	---	6
7	---	---	0.194B	0.482B	16.2	11.2	13.0	38.6	6.74	4.37	---	---	7
8	---	---	0.194B	0.633B	16.3	16.6	41.2	21.1	6.18	4.31	---	---	8
9	---	---	0.198B	0.708B	13.7	11.4	121	16.1	5.76	4.08	---	---	9
10	---	---	0.198B	1.02 B	10.7	10.0	73.7	11.4	5.32	3.95E	---	---	10
11	---	---	0.198B	2.07 B	9.12	8.28	51.2	10.1	6.12	3.78	---	---	11
12	---	---	0.188B	3.34 B	7.26	7.22	29.1	9.94	4.62	3.42	---	---	12
13	---	---	0.185B	3.63 B	5.63	6.46	32.1	9.72	3.86	3.37	---	---	13
14	---	---	0.195B	3.31 B	6.37	5.86	18.3	9.46	3.87	3.30E	---	---	14
15	---	---	0.180B	3.87 B	4.79	5.37	17.3	8.34	3.50	3.25	---	---	15
16	---	---	0.185B	3.87 B	4.09	4.95	27.4	7.33	3.31	3.14	---	---	16
17	---	---	0.185B	4.45 B	2.91	4.62	24.6	6.74	3.08	3.09	---	---	17
18	---	---	0.185B	3.87 B	2.79	4.40E	17.3	6.23	6.38	3.08	---	---	18
19	---	---	0.180B	5.08 B	3.26	4.01	12.6	5.76	7.89	3.06	---	---	19
20	---	---	0.180B	5.83 B	63.3	3.84	10.4	17.0	7.07	2.95	---	---	20
21	---	---	0.203B	5.06	134	3.50	7.52	11.6	6.35	2.86	---	---	21
22	---	---	0.208B	6.01	61.9	3.09	11.0	9.86	6.01	2.84	---	---	22
23	---	0.217B	0.213B	9.87	58.2	2.86E	9.38	8.53	5.71	2.79	---	---	23
24	---	0.215B	0.217B	12.1	60.5	2.70	7.71	8.41	5.57	2.72E	---	---	24
25	---	0.212B	0.213B	11.0	66.7	2.33	6.59	8.23	5.40	2.88E	---	---	25
26	---	0.210B	0.210B	9.87	88.0	2.12	6.25	11.7	5.32	2.82E	---	---	26
27	---	0.210B	0.203B	9.57	65.9	1.79	4.01	13.1	4.70E	2.80E	---	---	27
28	---	0.210B	0.188B	11.2	49.5	1.67	3.53	13.8	3.37	2.58E	---	---	28
29	---		0.203B	11.0	38.1	1.42	2.84	13.4	3.10E	2.55E	---	---	29
30	---		0.217B	13.7	34.4	2.44	2.30E	13.3	3.08E	2.51	---	---	30
31	---		0.226B		26.7		1.88	13.1		2.40B		---	31
TOTAL	---	---	6.121	143.357	915.84	234.55	806.90	677.83	174.88	103.74	---	---	TOTAL
MEAN	---	---	0.197	4.78	29.5	7.82	26.0	21.9	5.83	3.35	---	---	MEAN
MAX	---	---	0.226	13.7	134	23.5	121	183	11.1	4.58	---	---	MAX
MIN	---	---	0.180	0.283	2.79	1.42	1.88	2.87	3.05	2.40	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 12.7
MAXIMUM DAILY, 183 ON AUG 5
MINIMUM DAILY, 0.180B ON MAR 5
MAXIMUM INSTANTANEOUS,
300 AT 18:30 MST ON MAY 20

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 26 00 N
LONG 116 20 20 W
DRAINAGE AREA, 1 480 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	74 900
FEB	---	AUG	58 600
MAR	529	SEP	15 100
APR	12 400	OCT	8 960
MAY	79 100	NOV	---
JUN	20 300	DEC	---

TOTAL DISCHARGE, 270 000 dam³

REMARKS - PEAK DISCHARGE WAS DERIVED FROM HIGH WATER MARK AND PLOT OF WATER LEVEL READINGS

EASTERN IRRIGATION DISTRICT EAST BRANCH CANAL NEAR LATHOM - STATION NO. 05CJ003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	22.1	31.7	40.0	37.8	36.1	20.9	0E	---	1
2	---	---	---	0	33.7	33.0	39.2	37.7	33.2	17.5	0E	---	2
3	---	---	---	0	36.0	33.2	38.8	37.2	33.5	14.2	0E	---	3
4	---	---	---	0	36.4	33.3	38.8	36.7	33.3	14.0	0E	---	4
5	---	---	---	0	32.8	36.5	36.7	36.7	33.0	13.8	0E	---	5
6	---	---	---	0	32.2	37.5	36.7	36.8	33.1	12.8	0E	---	6
7	---	---	---	0	32.4	37.0	36.3	36.4	32.7	2.70A	0E	---	7
8	---	---	---	0	33.8	37.5	36.4	36.4	32.4	0 E	0E	---	8
9	---	---	---	0	34.5	38.0	39.4	36.2	32.2	0 E	0E	---	9
10	---	---	---	0	34.5	37.9	39.4	36.0	32.1	0 A	0E	---	10
11	---	---	---	0	36.7	37.7	36.7	37.3	28.8	0 E	0E	---	11
12	---	---	---	0	37.5	38.0	36.6	36.2	26.0	0 E	0E	---	12
13	---	---	---	0	37.5	37.5	39.4	36.2	26.8	0 E	0E	---	13
14	---	---	---	0	37.5	39.0	36.9	37.8	26.6	0 E	0E	---	14
15	---	---	---	0	36.3	40.0	39.0	36.0	27.7	0 E	0E	---	15
16	---	---	---	0	40.0	39.8	38.3	36.7	27.8	0 E	0E	---	16
17	---	---	---	0	39.6	40.3	36.4	36.3	27.6	0 E	0E	---	17
18	---	---	---	0	39.6	40.4	36.2	37.8	26.6	0 E	0E	---	18
19	---	---	---	0	39.7	40.1	36.2	36.1	23.3	0 E	0E	---	19
20	---	---	---	0	36.2	39.7	36.2	36.3	21.7	0 E	0E	---	20
21	---	---	---	0	39.3	39.8	37.3	36.4	21.3	0 E	0E	---	21
22	---	---	0A	0	39.4	40.1	37.6	39.0	22.3	0 E	0E	---	22
23	---	---	0	0	36.8	40.4	37.8	36.2	22.7	0 E	0E	---	23
24	---	---	0	1.00E	36.3	40.6	37.8	36.2	22.8	0 E	0E	---	24
25	---	---	0	7.39A	29.8	40.8	37.8	37.4	22.7	0 E	0E	---	25
26	---	---	0	12.3	36.8	40.6	37.7	37.6	23.1	0 E	0E	---	26
27	---	---	0	18.4	36.8	40.8	37.9	37.3	24.0	0 E	0E	---	27
28	---	---	0	19.4	36.8	40.4	37.3	37.4	26.7	0 E	0E	---	28
29	---		0	18.7	36.7	40.4	37.3	37.3	21.2	0 E	0E	---	29
30	---		0	18.7	37.4	40.0	37.6	36.2	20.8	0 E	0E	---	30
31	---		0		36.8		37.9	35.8		0 E		---	31
TOTAL	---	---	---	95.85	1 029.4	1 150.9	1 194.2	1 157.2	827.1	85.30	0	---	TOTAL
MEAN	---	---	---	3.20	33.2	38.4	38.5	37.3	27.6	3.07	0	---	MEAN
MAX	---	---	---	18.7	40.0	40.8	40.0	39.0	34.1	20.9	0	---	MAX
MIN	---	---	---	0	22.1	31.7	37.2	35.8	20.8	0	0	---	MIN

SUMMARY FOR THE MONTHS APR TO NOV

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 33.7
MAXIMUM DAILY, 40.8 ON JUN 24
MINIMUM DAILY, 0 ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 43 30 N
LONG 112 20 30 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	103 000
FEB	---	AUG	100 000
MAR	---	SEP	71 500
APR	6 380	OCT	8 230
MAY	88 800	NOV	0
JUN	99 400	DEC	---

TOTAL DISCHARGE, 479 000 dam³

EASTERN IRRIGATION DISTRICT NORTH BRANCH CANAL NEAR BASSANO - STATION NO. 05CJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	0	5.86	9.07	9.36	4.40	5.06	0E	---	1
2	---	---	---	0	0	4.81	8.88	9.36	3.23	5.88	0E	---	2
3	---	---	---	0	0	4.92	8.88	9.15	3.15	5.44	0E	---	3
4	---	---	---	0	0	4.88	8.81	8.77	3.13	4.06	0E	---	4
5	---	---	---	0	1.21	5.01	8.58	8.62	3.06	3.12	0E	---	5
6	---	---	---	0	1.78	7.31	8.54	8.67	3.10	1.43	0E	---	6
7	---	---	---	0	1.78	8.84	8.59	8.56	3.03	0	0E	---	7
8	---	---	---	0	1.80	9.67	8.64	8.53	2.97	0	0E	---	8
9	---	---	---	0	1.86	10.1	8.67	8.38	2.92	0	0E	---	9
10	---	---	---	0	1.91	10.2	8.80	8.30	2.91	0	0E	---	10
11	---	---	---	0	1.88	10.2	8.48	8.26	2.78	0	0E	---	11
12	---	---	---	0	2.14	10.2	8.57	8.24	2.80	0	0E	---	12
13	---	---	---	0	2.10	10.1	8.92	8.24	3.42	0	0E	---	13
14	---	---	---	0	2.08	10.1	8.78	8.21	3.42	0	0E	---	14
15	---	---	---	0	2.10	10.0	8.82	8.18	3.31	0	0E	---	15
16	---	---	---	0	2.21	9.86	8.83	8.16	3.30	0	0E	---	16
17	---	---	---	0	3.13	9.82	8.86	8.08	3.26	0	0E	---	17
18	---	---	---	0	3.43	9.86	8.18	7.98	4.82	0	0E	---	18
19	---	---	---	0	4.88	9.77	8.21	8.04	6.64	0	0E	---	19
20	---	---	---	0	4.06	9.81	8.21	8.14	6.33	0	0E	---	20
21	---	---	---	0	3.48	9.48	8.26	8.10	8.27	0	0E	---	21
22	---	---	0A	0	3.26	9.40	8.31	8.20	8.41	0	0E	---	22
23	---	---	0	0	3.31	9.32	8.37	7.28	8.58	0	0E	---	23
24	---	---	0	0	7.67	9.28	8.45	7.32	8.84	0	0E	---	24
25	---	---	0	0	8.87	8.16	8.42	7.86	8.82	0	0E	---	25
26	---	---	0	0	8.78	8.08	8.42	7.72	8.82	0	0E	---	26
27	---	---	0	0	8.70	8.11	8.07	7.63	8.86	0	0E	---	27
28	---	---	0	0	8.72	8.16	8.33	7.72	8.36	0	0E	---	28
29	---		0	0	8.74	8.14	8.26	8.82	8.23	0	0E	---	29
30	---		0	0	8.82	8.13	8.38	8.00	8.28	0 A	0E	---	30
31	---		0		8.88		8.38	8.01		0 E		---	31
TOTAL	---	---	---	0	123.85	285.73	239.71	248.58	138.48	28.03	0	---	TOTAL
MEAN	---	---	---	0	4.00	9.86	7.73	8.05	4.62	0.840	0	---	MEAN
MAX	---	---	---	0	8.89	10.2	9.36	9.36	8.82	5.06	0	---	MAX
MIN	---	---	---	0	0	4.81	5.18	8.00	2.78	0	0	---	MIN

SUMMARY FOR THE MONTHS APR TO NOV

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.38
MAXIMUM DAILY, 10.2 ON JUN 10
MINIMUM DAILY, 0 ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 45 00 N
LONG 112 25 00 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	20 700
FEB	---	AUG	21 800
MAR	---	SEP	11 700
APR	0	OCT	2 350
MAY	10 700	NOV	0
JUN	23 000	DEC	---

TOTAL DISCHARGE, 90 000 dam³

EASTERN IRRIGATION DISTRICT SPRINGHILL CANAL NEAR LATHOM - STATION NO. 05CJ004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	0	13.7	15.0	20.9	3.37	6.88	OE	---	1
2	---	---	---	0	0	13.9	15.3	19.7	3.14	6.88	OE	---	2
3	---	---	---	0	0	14.0	15.4	18.2	3.13	6.58	OE	---	3
4	---	---	---	0	0	14.0	15.6	17.7	3.12	6.64	OE	---	4
5	---	---	---	0	0	14.6	16.7	18.8	3.10	6.45	OE	---	5
6	---	---	---	0	0	17.8	18.2	18.8	3.11	2.59	OE	---	6
7	---	---	---	0	0	18.9	19.0	17.0	3.10	0.112	OE	---	7
8	---	---	---	0	2.18	20.3	19.0	17.1	3.08	0.059	OE	---	8
9	---	---	---	0	3.08	20.7	18.0	17.2	3.08	0.021	OE	---	9
10	---	---	---	0	4.18	20.5	19.8	17.2	3.04	1.19	OE	---	10
11	---	---	---	0	4.67	20.5	19.3	15.7	2.97	0.185	OE	---	11
12	---	---	---	0	4.73	18.5	18.9	15.0	2.94	0.079	OE	---	12
13	---	---	---	0	4.72	18.2	18.8	15.0	2.93	0.047	OE	---	13
14	---	---	---	0	4.70	18.6	18.7	15.3	3.18	0.065	OE	---	14
15	---	---	---	0	4.93	17.3	18.8	14.2	3.31	0.047	OE	---	15
16	---	---	---	0	7.85	17.0	19.2	12.1	3.28	0.030	OE	---	16
17	---	---	---	0	8.83	16.8	19.3	10.2	3.25	0	OE	---	17
18	---	---	---	0	11.1	17.0	19.7	9.22	3.24	0	OE	---	18
19	---	---	---	0	11.1	17.7	22.0	8.84	3.30	0	OE	---	19
20	---	---	---	0	10.8	18.2	24.3	8.99	3.80	0	OE	---	20
21	---	---	---	0	11.0	18.4	24.7	8.83	4.44	0	OE	---	21
22	---	---	0A	0	11.6	18.5	24.8	7.87	4.71	0	OE	---	22
23	---	---	0	0	13.4	18.3	25.1	7.00	4.87	0	OE	---	23
24	---	---	0	0	10.7	18.1	25.1	6.83	4.84	0	OE	---	24
25	---	---	0	0	7.42	18.1	23.1	8.74	4.75	0	OE	---	25
26	---	---	0	0	8.50	18.0	22.2	8.73	5.80	0	OE	---	26
27	---	---	0	0	9.21	15.8	22.3	8.72	8.62	0	OE	---	27
28	---	---	0	0	9.20	13.8	23.1	8.82	8.71	0	OE	---	28
29	---		0	0	9.39	14.3	22.7	8.63	8.81	0	OE	---	29
30	---		0	0	10.4	14.5	22.5	8.48	8.88	0 A	OE	---	30
31	---		0		13.0		21.7	8.05		0 E		---	31
TOTAL	---	---	---	0	197.15	515.8	628.9	373.84	118.88	37.525	0	---	TOTAL
MEAN	---	---	---	0	6.36	17.2	20.3	12.1	3.98	1.21	0	---	MEAN
MAX	---	---	---	0	13.4	20.7	25.1	20.9	8.88	6.88	0	---	MAX
MIN	---	---	---	0	0	13.7	15.0	4.05	2.93	0	0	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.88
MAXIMUM DAILY, 25.1 ON JUL 23
MINIMUM DAILY, 0 ON APR 1

SUMMARY FOR THE MONTHS APR TO NOV

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 43 20 N
LONG 112 20 20 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	54 800
FEB	---	AUG	32 300
MAR	---	SEP	10 300
APR	0	OCT	3 240
MAY	17 000	NOV	0
JUN	44 600	DEC	---

TOTAL DISCHARGE, 162 000 dam³

ELBOW RIVER ABOVE ELBOW FALLS - STATION NO. 05BJ005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.818	1.638	3.62	8.75	9.66	6.05	7.72	4.91	3.21	---	1
2	---	---	1.748	1.818	3.88	11.2	8.41	4.89	7.56	4.73	3.21A	---	2
3	---	---	1.718	1.818	3.62	10.6	7.85	4.87	7.83	4.82	---	---	3
4	---	---	1.728	1.818	3.60	9.85	7.84	4.75	7.11	4.86	---	---	4
5	---	---	1.748	1.818	3.84	12.6	7.28	4.89	7.84	4.80	---	---	5
6	---	---	1.868	1.458	5.01	17.4	7.07	4.87	7.75	4.45	---	---	6
7	---	---	1.868	1.86	6.13	18.7	6.98	4.58	7.76	4.34	---	---	7
8	---	---	1.788	1.86	8.84	18.4	7.02	4.61	8.00	4.27	---	---	8
9	---	---	1.778	1.86	11.2	18.7	6.85	4.61	7.85	4.24	---	---	9
10	---	---	1.898	1.87	12.6	17.2	7.85	4.89	7.71	4.24	---	---	10
11	---	---	1.738	1.70	12.6	17.1	8.11	4.67	7.86	4.16	---	---	11
12	---	---	1.728	1.73	9.41	15.8	7.80	4.43	7.23	4.14	---	---	12
13	---	---	1.728	1.79	7.78	15.3	7.52	4.42	8.86	4.07	---	---	13
14	---	---	1.728	2.02	6.83	17.4	7.38	4.35	8.73	4.00	---	---	14
15	---	---	1.728	2.15	8.21	16.8	7.28	4.28	8.62	3.93	---	---	15
16	---	---	1.728	2.06	8.20	16.1	7.57	4.80	8.41	3.82	---	---	16
17	---	---	1.718	2.01B	8.42	13.0	7.33	4.82	8.54	3.71	---	---	17
18	---	---	1.708	2.14	8.22	10.4	8.87	4.81	8.31	3.68	---	---	18
19	---	---	1.678	2.28	8.86	8.48	8.33	4.83	8.03	3.73	---	---	19
20	---	---	1.688	2.48	8.91	8.84	8.28	4.83	8.78	3.71	---	---	20
21	---	---	1.668	2.82	8.28	7.78	8.28	4.46	8.80	3.87	---	---	21
22	---	---	1.648	2.81	8.15	7.84	8.10	4.38	8.47	3.86	---	---	22
23	---	1.868	1.648	2.80	8.14	7.83	8.80	4.38	8.38	3.88	---	---	23
24	---	1.848	1.668	2.39	8.12	7.88	8.86	4.43	8.33	3.84	---	---	24
25	---	1.838	1.668	2.38	8.03	8.10	8.46	4.88	8.28	3.81	---	---	25
26	---	1.858	1.678	2.26	4.81	8.36	8.28	8.08	8.18	3.46	---	---	26
27	---	1.858	1.678	2.21	4.87	9.35	8.16	7.46	8.07	3.46	---	---	27
28	---	1.928	1.668	2.30	4.88	8.78	8.47	8.31	4.89	3.42	---	---	28
29	---		1.658	2.85	4.84	8.32	8.38	8.38	4.80	3.34	---	---	29
30	---		1.658	2.86	8.01	8.12	8.23	8.86	4.92	3.36	---	---	30
31	---		1.658		8.48		8.24	8.21		3.28	---	---	31
TOTAL	---	---	52.63	61.86	193.72	383.18	209.44	182.44	186.17	123.02	---	---	TOTAL
MEAN	---	---	1.70	2.07	8.25	12.1	8.76	8.24	8.51	3.84	---	---	MEAN
MAX	---	---	1.81	2.86	12.6	18.7	9.66	8.38	8.00	4.91	---	---	MAX
MIN	---	---	1.84	1.81	3.60	7.83	8.16	4.28	4.90	3.28	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.55
MAXIMUM DAILY, 18.7 ON JUN 8
MINIMUM DAILY, 1.818 ON APR 2
MAXIMUM INSTANTANEOUS,
20.1 AT 07:08 MST ON JUN 9

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 51 20 N
LONG 114 47 37 W
DRAINAGE AREA, 437 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	18 100
FEB	---	AUG	14 000
MAR	4 550	SEP	18 800
APR	5 350	OCT	10 500
MAY	16 700	NOV	---
JUN	31 400	DEC	---

TOTAL DISCHARGE, 118 000 dam³

ELBOW RIVER AT BRAGG CREEK - STATION NO. 05BJ004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.610	1.780	2.060	3.320	7.300	11.8	12.2	7.18	10.7	8.84	4.83	3.730	1
2	2.650	1.830	2.090	3.320	12.4	14.2	10.9	7.17	10.6	8.59	4.88	3.660	2
3	2.700	1.950	2.150	3.280	10.2	14.2	10.1	8.95	11.5	8.38	4.89	3.670	3
4	2.690	2.060	2.300	3.180	8.58	13.7	9.62	8.60	10.4	8.34	5.08	3.720	4
5	2.610	2.200	2.410	3.000	8.23	15.4	9.28	8.78	11.0	8.30	4.95	3.740	5
6	2.480	2.320	2.510	2.850	10.6	18.8	8.98	8.77	11.1	8.27	4.88	3.880	6
7	2.390	2.510	2.580	2.880	13.6	19.0	8.80	8.88	10.7	8.18	4.82	3.800	7
8	2.430	2.670	2.480	2.890	14.1	16.3	8.70	8.98	10.8	8.07	4.73	3.480	8
9	2.550	2.800	2.420	2.800	16.8	20.4	8.82	8.81	10.7	8.01	4.78	3.290	9
10	2.770	2.780	2.370	2.680	18.8	20.4	8.82	8.52	10.7	8.08	5.18	3.150	10
11	2.820	2.860	2.310	2.780	17.3	19.7	10.5	8.34	10.4	8.10	5.24	3.200	11
12	2.840	2.490	2.270	2.860	14.7	18.1	9.81	8.24	9.87	8.01	4.850	3.320	12
13	3.080	2.350	2.200	2.880	12.8	18.1	9.32	8.31	9.34	5.82	4.100	3.440	13
14	3.210	2.190	2.140	3.040	11.3	18.8	9.27	8.18	9.07	5.85	3.888	3.840	14
15	3.140	2.060	2.100	3.030	10.3	18.1	9.20	8.01	8.88	5.74	3.848	3.870	15
16	3.100	1.940	2.090	2.930	10.0	18.7	10.5	8.35	8.67	5.80	3.730	3.880	16
17	3.200	2.020	2.110	2.820	10.1	16.4	11.8	8.86	8.00	5.43	3.780	3.830	17
18	3.310	2.110	2.180	2.900	9.78	13.9	10.3	8.44	8.20	5.41	3.810	3.430	18
19	3.380	2.230	2.280	3.360	9.15	12.8	9.38	8.42	8.48	5.35	3.810	3.310	19
20	3.270	2.360	2.380	4.280	8.46	11.9	9.02	8.41	8.13	5.30	3.780	3.230	20
21	3.000	2.530	2.500	5.660	8.10	10.9	8.84	8.27	7.88	5.28	3.750	3.130	21
22	2.820	2.770	2.610	6.900	7.83	10.8	8.46	8.18	7.84	5.27	3.688	3.030	22
23	2.840	2.880	2.740	8.720	7.84	10.6	8.09	8.02	7.46	5.18	3.630	2.940	23
24	2.840	3.000	2.830	8.480	7.80	10.7	7.80	8.08	7.32	5.18	3.588	2.848	24
25	2.980	3.010	2.890	8.130	7.78	11.6	7.63	8.33	7.22	5.13	3.528	2.818	25
26	2.410	2.880	2.810	4.900	7.80	11.5	7.28	8.87	7.07	5.14	3.518	3.130	26
27	2.460	2.630	2.820	4.600	7.78	12.2	7.11	8.40	8.81	5.15	3.558	3.320	27
28	2.420	2.380	3.000	4.900	8.05	11.7	7.41	12.8	8.84	5.17	3.630	3.460	28
29	2.170		3.080	5.650	7.88	11.0	7.46	12.8	8.74	4.94	3.768	3.500	29
30	1.980		3.200	6.700	7.85	11.4	7.28	12.3	8.75	5.08	3.788	3.530	30
31	1.770		3.280		8.22		7.89	11.5		5.01		3.430	31
TOTAL	83.75	67.48	77.40	118.68	331.35	445.1	280.84	237.07	270.88	178.25	128.80	105.28	TOTAL
MEAN	2.70	2.41	2.50	3.88	10.4	14.8	9.06	7.32	9.02	5.88	4.19	3.40	MEAN
MAX	3.38	3.01	3.28	8.70	17.3	20.4	12.2	12.8	11.5	8.84	5.24	3.74	MAX
MIN	1.77	1.78	2.06	2.68	7.20	10.8	7.11	8.01	8.74	4.94	3.81	2.94	MIN

SUMMARY FOR THE YEAR 1989

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.29
MAXIMUM DAILY, 20.4 ON JUN 9
MINIMUM DAILY, 1.770 ON JAN 31
MAXIMUM INSTANTANEOUS,
23.1 AT 10:23 MST ON JUN 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 58 53 N
LONG 114 34 10 W
DRAINAGE AREA, 781 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	7 240	JUL	24 200
FEB	5 830	AUG	19 800
MAR	6 680	SEP	23 400
APR	9 980	OCT	15 200
MAY	27 600	NOV	10 800
JUN	38 500	DEC	9 000

TOTAL DISCHARGE, 188 000 dam³

ELBOW RIVER AT SARCEE BRIDGE - STATION NO. 05BJ010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	4.00E	8.70	8.95	12.8	7.37	10.3	7.10	---	---	1
2	---	---	---	4.00E	12.1	13.0	11.9	7.21	10.4	8.82	---	---	2
3	---	---	---	4.00E	11.1	13.9	10.6	8.85	12.5	8.81	---	---	3
4	---	---	---	4.00E	10.0	13.8	10.0	8.58	10.9	8.40	---	---	4
5	---	---	---	4.00E	9.21	14.5	9.46	8.47	11.1	8.33	---	---	5
6	---	---	---	4.25	8.82	17.5	9.07	8.80	11.8	8.35	---	---	6
7	---	---	---	4.07	12.4	19.8	8.86	8.16	11.3	8.28	---	---	7
8	---	---	---	3.82	14.1	19.0	8.70	8.10	11.3	8.13	---	---	8
9	---	---	---	4.18	14.9	20.4	8.83	8.18	11.3	8.11	---	---	9
10	---	---	---	4.03	15.8	22.4	10.9	8.17	11.4	8.27	---	---	10
11	---	---	---	4.38	17.3	21.1	11.2	8.78	11.1	8.83	---	---	11
12	---	---	---	5.07	15.6	18.6	10.4	8.67	10.7	8.22	---	---	12
13	---	---	---	6.08	13.2	18.6	9.75	8.73	9.98	8.04	---	---	13
14	---	---	---	7.38	11.7	18.4	8.94	8.86	8.41	8.07	---	---	14
15	---	---	---	8.12	10.4	18.1	8.33	8.37	9.11	8.04	---	---	15
16	---	---	---	7.88	8.71	20.0	10.3	8.78	8.91	8.83	---	---	16
17	---	---	---	8.08	8.84	18.0	12.2	8.48	9.30	8.87	---	---	17
18	---	---	---	8.83	8.38	18.0	11.2	8.30	8.40	8.84	---	---	18
19	---	---	---	7.44	8.00	16.0	9.81	8.83	8.91	8.81	---	---	19
20	---	---	---	8.08	8.48	13.1	9.18	8.68	8.82	8.82	---	---	20
21	---	---	---	8.50	7.86	12.1	8.98	8.19	8.38	8.88	---	---	21
22	---	---	---	10.6	7.35	11.2	8.39	8.05	7.80	8.88	---	---	22
23	---	---	---	10.2	7.86	11.7	8.04	8.78	7.73	8.48	---	---	23
24	---	---	---	7.87	7.88	11.3	7.80	8.88	7.86	8.30	---	---	24
25	---	---	---	8.88	7.88	12.2	7.24	8.77	7.88	8.20	---	---	25
26	---	---	---	8.38	7.48	12.2	8.90	8.23	7.38	8.21	---	---	26
27	---	---	---	8.88	7.87	13.7	8.88	7.32	7.12	8.22	---	---	27
28	---	---	---	8.88	8.78	12.5	8.88	11.2	7.07	8.18	---	---	28
29	---		---	8.32	8.00	11.8	7.03	12.1	7.03	8.04	---	---	29
30	---		---	7.38	7.78	11.3	7.15	11.8	8.88	4.82	---	---	30
31	---		---		8.11		8.07	11.2		8.03		---	31
TOTAL	---	---	---	188.05	318.43	483.08	288.84	215.38	282.04	181.74	---	---	TOTAL
MEAN	---	---	---	8.39	10.3	15.4	9.24	8.95	9.40	8.88	---	---	MEAN
MAX	---	---	---	10.6	17.3	22.4	12.8	12.1	12.5	7.10	---	---	MAX
MIN	---	---	---	3.82	7.35	8.95	8.88	8.37	8.88	4.82	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.03
MAXIMUM DAILY, 22.4 ON JUN 10
MINIMUM DAILY, 3.82 ON APR 8
MAXIMUM INSTANTANEOUS,
23.0 AT 00:08 MST ON JUN 10

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 58 40 N
LONG 114 10 00 W
DRAINAGE AREA, 1 160 km²

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	24 800
FEB	---	AUG	19 800
MAR	---	SEP	24 400
APR	18 100	OCT	15 700
MAY	27 500	NOV	---
JUN	40 000	DEC	---

TOTAL DISCHARGE, 187 000 dam³

ELBOW RIVER BELOW GLENMORE DAM - STATION NO. 05BJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.14 B	0.630B	0.500B	1.26	3.81	8.32	8.38	2.52	2.82	0.871	1.47	4.15	1
2	1.28 B	0.510B	0.480B	1.27	7.43	10.1	8.35	3.81	7.10	1.07	1.42	1.40	2
3	1.25 B	0.504B	0.480B	0.938	10.4	12.5	4.43	3.93	7.06	1.15	1.36	1.40	3
4	1.28 B	0.507B	0.450B	0.788	10.4	4.25	1.44	3.88	7.10	1.17	1.45	1.63	4
5	1.26 B	0.505B	0.440B	0.711	8.89	10.1	1.41	1.88	8.70	1.44	1.44	1.84	5
6	1.04 B	0.507B	0.430B	0.712	7.85	15.9	1.42	1.68	10.8	1.63	3.67	2.26	6
7	1.02 B	0.510B	0.430B	0.733	7.89	20.3	5.08	2.38	11.0	1.81	4.32	4.20	7
8	1.00 B	0.515B	0.420B	0.734	10.4	20.0	8.78	3.83	12.7	1.83	3.73	1.63	8
9	0.970B	0.550B	0.420B	0.721	14.0	20.2	5.84	4.00	13.8	1.85	4.12	1.38	9
10	0.950B	0.588B	0.420B	0.705	17.1	18.9	8.31	3.84	13.6	1.88	4.47	2.50B	10
11	0.930B	0.588B	0.420B	0.712	18.0	18.8	8.88	2.33	11.8	1.98	4.35	2.80B	11
12	0.900B	0.588B	0.420B	1.02	18.9	17.5	8.78	1.84	10.6	1.71	4.37	1.80	12
13	0.927B	0.588B	0.420B	1.18	18.0	16.1	8.58	1.88	10.7	2.42	4.42	1.80	13
14	0.878B	0.588B	0.420B	1.14	16.1	16.1	8.62	2.88	10.7	3.81	4.31	1.98	14
15	0.800B	0.588B	0.440B	1.11	9.21	16.1	8.94	1.88	7.85	3.84	4.37	1.82	15
16	0.784B	0.588B	0.480B	1.17	3.02	16.2	7.04	1.82	8.84	3.18	2.13	1.34	16
17	0.747B	0.588B	0.470B	1.12	5.11	18.1	7.01	1.87	8.82	2.18	2.18	1.36	17
18	0.745B	0.588B	0.480B	1.10	6.88	11.1	6.84	1.98	7.37	1.87	1.82	1.00B	18
19	0.720B	0.588B	0.500B	1.18	7.00	8.89	4.85	2.73	13.2	1.84	2.68	1.00B	19
20	0.703B	0.588B	0.600B	1.15	8.91	8.85	4.02	3.98	3.82	1.48	4.45	1.00B	20
21	0.684B	0.580B	0.520B	1.28	8.47	5.10	3.18	3.78	1.22	1.83	4.82	1.00B	21
22	0.680B	0.580B	0.540B	1.43	4.84	7.40	3.18	3.68	1.21	2.18	4.07	1.00B	22
23	0.650B	0.580B	0.560B	9.38	4.14	7.80	3.84	5.18	1.23	1.37	1.88	1.28	23
24	0.630B	0.580B	0.580B	7.15	4.18	7.06	3.83	5.82	1.22	1.35	1.82	1.25	24
25	0.620B	0.580B	0.600B	5.08	4.13	7.11	3.80	6.86	1.24	1.38	1.88	1.28	25
26	0.610B	0.580B	0.648B	3.34	4.07	7.84	3.86	6.81	1.25	1.38	1.87	1.24	26
27	0.600B	0.580B	0.616	3.41	4.22	7.88	1.47	7.04	1.28	1.37	1.83	1.88	27
28	0.590B	0.620B	0.880	3.94	4.13	8.03	1.48	7.16	1.12	1.38	1.87	1.78	28
29	0.570B		1.20	3.86	4.11	8.87	1.48	5.33	0.917	1.38	2.83	1.85	29
30	0.580B		1.31	3.96	4.13	9.16	1.50	1.35	0.878	1.43	4.70	1.22	30
31	0.550B		1.32		4.03		1.88	1.34		1.48		1.20	31
TOTAL	28.048	16.726	17.878	88.382	252.28	384.71	148.07	107.80	196.825	84.111	89.06	87.17	TOTAL
MEAN	0.840	0.582	0.580	1.85	8.14	12.3	4.62	3.48	6.86	1.78	2.87	1.84	MEAN
MAX	1.28	0.880	1.31	7.15	18.0	20.3	8.38	7.16	13.8	3.84	4.70	4.20	MAX
MIN	0.880	0.505	0.420	0.705	3.02	4.26	1.41	1.34	0.817	0.871	1.38	1.20	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.78
MAXIMUM DAILY, 20.3 ON JUN 7
MINIMUM DAILY, 0.420B ON MAR 8
MAXIMUM INSTANTANEOUS,
23.3 AT 03:04 MST ON JUN 9

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 00 55 N
LONG 114 08 33 W
DRAINAGE AREA, 1 330 km²

B - ICE CONDITIONS

REGULATED SINCE 1933

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 250	JUL	12 100
FEB	1 350	AUG	8 210
MAR	1 550	SEP	17 000
APR	8 040	OCT	4 680
MAY	21 800	NOV	7 550
JUN	31 500	DEC	4 940

TOTAL DISCHARGE, 119 000 dam³

ELBOW CREEK AT HIGHWAY NO. 66 - STATION NO. 07NB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.010B	0.010B	0	0.105	0.017	0.001	0.550	1.07	0.150	---	1
2	---	---	0.001B	0.012B	0	0.081	0.010	0.004	0.512	0.778	0.202	---	2
3	---	---	0 B	0.013B	0.087	0.089	0.023	0.004	0.467	0.512	0.198A	---	3
4	---	---	0 B	0.009B	0.017	0.082	0.023	0.008	0.412	0.623	---	---	4
5	---	---	0 B	0.014B	0	0.068	0.028	0.008	0.371	0.488	---	---	5
6	---	---	0 B	0.021B	0.004	0.092	0.023	0.007	0.348	0.384	---	---	6
7	---	---	0 B	0.026B	0.012	0.115	0.020	0.008	0.364	0.367	---	---	7
8	---	---	0 B	0.028B	0.023	0.084	0.022	0.008	0.396	0.347	---	---	8
9	---	---	0 B	0.034B	0.018	0.037	0.018	0.006	0.367	0.330	---	---	9
10	---	---	0 B	0.028B	0.018	0.041	0.018	0.008	0.382	0.302	---	---	10
11	---	---	0 B	0.038B	0.023	0.086	0.014	0.008	0.238	0.287	---	---	11
12	---	---	0 B	0.082B	0.034	0.082	0.013	0.007	0.238	0.270	---	---	12
13	---	---	0 B	0.267B	0.038	0.057	0.012	0.005	0.218	0.282	---	---	13
14	---	---	0 B	0.272B	0.011	0.051	0.010	0.004	0.208	0.244	---	---	14
15	---	---	0 B	0.239B	0.008	0.043	0.010	0.002	0.202	0.241	---	---	15
16	---	---	0 B	0.215B	0.018	0.058	0.008	0.005	0.234	0.237	---	---	16
17	---	---	0 B	0.183B	0.081	0.055	0.008	0.080	0.308	0.218	---	---	17
18	---	---	0 B	0.188B	0.102	0.048	0.008	0.124	0.260	0.222	---	---	18
19	---	---	0 B	0.206B	0.123	0.041	0.008	0.088	0.261	0.226	---	---	19
20	---	---	0 B	0.248B	0.260	0.041	0.008	0.048	0.240	0.240	---	---	20
21	---	---	0.001B	0.285B	0.298	0.043	0.008	0.035	0.234	0.232	---	---	21
22	---	---	0.002B	0.364B	0.383	0.042	0.008	0.283	0.228	0.226	---	---	22
23	---	---	0.005B	0.358B	0.469	0.036	0.004	2.83	0.219	0.221	---	---	23
24	---	---	0.004B	0.374B	0.605	0.040	0.004	2.89	0.230	0.210	---	---	24
25	---	---	0.003B	0.312	0.269	0.036	0.004	2.06	0.224	0.206	---	---	25
26	---	---	0.003B	0.223	0.308	0.036	0.003	1.87	0.212	0.206	---	---	26
27	---	---	0.002B	0.203	0.350	0.020	0.003	1.31	0.201	0.202	---	---	27
28	---	---	0.002B	0.207	0.260	0.021	0.002	1.02	0.201	0.202	---	---	28
29	---		0.001B	0.118	0.189	0.021	0.003	0.820	0.372	0.194	---	---	29
30	---		0.001B	0.028	0.126	0.017	0.001	0.780	0.786	0.188	---	---	30
31	---		0.002B		0.102		0.002	0.868		0.185	---	---	31
TOTAL	---	---	0.037	4.887	4.185	1.576	0.339	14.053	8.196	8.634	---	---	TOTAL
MEAN	---	---	0.001	0.163	0.135	0.053	0.011	0.453	0.307	0.319	---	---	MEAN
MAX	---	---	0.010	0.374	0.605	0.115	0.026	2.89	0.786	1.07	---	---	MAX
MIN	---	---	0	0.008	0	0.017	0.001	0.001	0.201	0.185	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.178
MAXIMUM DAILY, 2.89 ON AUG 24
MINIMUM DAILY, 0B ON MAR 3
MAXIMUM INSTANTANEOUS,
3.74 AT 21:00 MST ON AUG 23

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 27 50 N
LONG 114 48 49 W
DRAINAGE AREA, 83.7 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	28.4
FEB	---	AUG	1 210
MAR	3.20	SEP	795
APR	397	OCT	464
MAY	382	NOV	---
JUN	136	DEC	---

TOTAL DISCHARGE, 3 780 dam³

ELKWATER LAKE AT ELKWATER - STATION NO. 05AH025

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1226.693	1226.770A	1226.681	1226.748	1226.703	1226.654	1226.803	---	1
2	---	---	---	---	1226.700	---	1226.652	1226.740	1226.700	1226.650	1226.804	---	2
3	---	---	---	---	1226.703	---	1226.646	1226.726	1226.703	1226.648	1226.806	---	3
4	---	---	---	---	1226.709	---	1226.641	1226.725	1226.704	1226.643	1226.815	---	4
5	---	---	---	1226.698A	1226.710	---	1226.637	1226.724	1226.703	1226.643	1226.820	---	5
6	---	---	---	---	1226.709	---	1226.630	1226.724	1226.702	1226.639	1226.818	---	6
7	---	---	---	---	1226.710	---	1226.624	1226.720	1226.702	1226.637	1226.823A	---	7
8	---	---	---	---	1226.708	---	1226.621	1226.714	1226.696	1226.633	---	---	8
9	---	---	---	---	1226.704	---	1226.613	1226.712	1226.697	1226.629	---	---	9
10	---	---	---	---	1226.701	---	1226.607	1226.710	1226.695	1226.626	---	---	10
11	---	---	---	---	1226.700	---	1226.605	1226.712	1226.694	1226.626	---	---	11
12	---	---	---	---	1226.694	---	1226.602	1226.708	1226.688	1226.627	---	---	12
13	---	---	---	---	1226.691	---	1226.788	1226.704	1226.686	1226.624	---	---	13
14	---	---	1226.634A	---	1226.688	---	1226.601	1226.698	1226.685	1226.621	---	---	14
15	---	---	---	---	1226.688	---	1226.786	1226.695	1226.681	1226.624	---	---	15
16	---	---	---	---	1226.685	---	1226.787	1226.697	1226.674	1226.623	---	---	16
17	---	---	---	---	1226.674	---	1226.784	1226.695	1226.676	1226.618	---	---	17
18	---	---	---	---	1226.672	---	1226.782	1226.691	1226.683	1226.613	---	---	18
19	---	---	---	---	1226.673	---	1226.788	1226.686	1226.686	1226.613	---	---	19
20	---	---	1226.644A	---	1226.678	---	1226.784	1226.689	1226.685	1226.611	---	---	20
21	---	---	---	---	1226.677	---	1226.781	1226.680	1226.683	1226.612	---	---	21
22	---	---	---	---	1226.674	---	1226.784	1226.678	1226.678	1226.606	---	---	22
23	---	---	---	---	1226.674	---	1226.775	1226.672	1226.674	1226.606	---	---	23
24	---	---	---	---	1226.666	---	1226.768	1226.675	1226.674	1226.606	---	---	24
25	---	---	---	1226.683A	1226.713	---	1226.772	1226.696	1226.666	1226.603	---	---	25
26	---	---	---	1226.690	1226.713	---	1226.770	1226.704	1226.665	1226.601	---	---	26
27	---	1226.613A	---	1226.684	1226.712	---	1226.761	1226.710	1226.661	1226.597	---	---	27
28	---	---	---	1226.693	1226.732	1226.667A	1226.764	1226.713	1226.667	1226.598	---	---	28
29	---	---	1226.662A	1226.694	1226.767	1226.662	1226.760	1226.712	1226.656	1226.596	---	---	29
30	---	---	---	1226.685	1226.788	1226.663	1226.761	1226.710	1226.655	1226.597	---	---	30
31	1226.478A		---		1226.783		1226.748	1226.708		1226.603		---	31
MEAN	---	---	---	---	1226.701	---	1226.708	1226.706	1226.684	1226.620	---	---	MEAN
MAX	---	---	---	---	1226.783	---	1226.681	1226.748	1226.704	1226.654	---	---	MAX
MIN	---	---	---	---	1226.673	---	1226.748	1226.672	1226.655	1226.596	---	---	MIN

SUMMARY FOR THE YEAR 1989

WATER LEVELS IN METRES

MAXIMUM DAILY, 1226.863 ON JUN 30

MAXIMUM INSTANTANEOUS,
1226.884 AT 17:45 MST ON JUN 30

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 39 44 N
LONG 110 17 10 W

A - MANUAL GAUGE

DRAINAGE AREA,
39.0 km²

EMBARRAS RIVER BELOW DIVERGENCE - STATION NO. 07DD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	232	183	177	237	77.0	---	---	1
2	---	---	---	---	---	204	186	186	207	76.7	---	---	2
3	---	---	---	---	---	191	188	189	193	77.3	---	---	3
4	---	---	---	---	---	180	202	188	183	76.8	---	---	4
5	---	---	---	---	---	169	384	183	174	---	---	---	5
6	---	---	---	---	---	180	302	194	185	---	---	---	6
7	---	---	---	---	---	181	368	183	188	---	---	---	7
8	---	---	---	---	---	184	387	267	183	---	---	---	8
9	---	---	---	---	---	178	384	410	147	---	---	---	9
10	---	---	---	---	---	201	334	475	142	---	---	---	10
11	---	---	---	---	---	209	291	480	139	---	---	---	11
12	---	---	---	---	---	217	271	411	137 E	---	---	---	12
13	---	---	---	---	---	230	268	376E	136 E	---	---	---	13
14	---	---	---	---	---	234	287	383E	133 E	---	---	---	14
15	---	---	---	---	---	229	285	315E	137 E	---	---	---	15
16	---	---	---	---	---	233	419	280E	124 E	---	---	---	16
17	---	---	---	---	128A	238	388E	262E	124 E	---	---	---	17
18	---	---	---	---	---	239	377E	240E	118 E	---	---	---	18
19	---	---	---	---	---	238	368E	220E	108 E	---	---	---	19
20	---	---	---	---	142	242	336E	207E	104 E	---	---	---	20
21	---	---	---	---	180	256	313E	207E	102 A	---	---	---	21
22	---	---	---	---	170	274	302E	215E	98.8	---	---	---	22
23	---	---	---	---	203	288	271E	382A	95.4	---	---	---	23
24	---	---	---	---	233	280	250E	430	91.5	---	---	---	24
25	---	---	---	---	268	280	239A	432	90.4	---	---	---	25
26	---	---	---	---	328	238	214	393	90.4	---	---	---	26
27	---	---	---	---	337	217	217	354	88.8	---	---	---	27
28	---	---	---	---	314	200	216	333	86.4	---	---	---	28
29	---		---	---	288	183	217	312	81.8	---	---	---	29
30	---		---	---	263	169	203	281	78.8	---	---	---	30
31	---		---		248		180	261		---		---	31
TOTAL	---	---	---	---	---	6 483	8 954	8 958	3 888.9	---	---	---	TOTAL
MEAN	---	---	---	---	---	216	289	289	130	---	---	---	MEAN
MAX	---	---	---	---	---	288	419	475	237	---	---	---	MAX
MIN	---	---	---	---	---	161	183	183	78.8	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 475 ON AUG 10

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 25 20 N
LONG 111 33 05 W

A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	774 000
FEB	---	AUG	774 000
MAR	---	SEP	337 000
APR	---	OCT	---
MAY	---	NOV	---
JUN	560 000	DEC	---

EMBARRAS RIVER BREAKTHROUGH TO MAMAWI LAKE - STATION NO. 07KF015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	125	87.9	102	130	48.8	---	---	1
2	---	---	---	---	---	116	89.8	96.9	113	48.0	---	---	2
3	---	---	---	---	---	106	100	97.7	108	48.2	---	---	3
4	---	---	---	---	---	102	136	97.0	106	50.3A	---	---	4
5	---	---	---	---	---	95.4	158	102 E	97.9	---	---	---	5
6	---	---	---	---	---	90.3	182	107 E	88.4	---	---	---	6
7	---	---	---	---	---	84.8	184	111 E	85.1	---	---	---	7
8	---	---	---	---	---	84.8	185	118 A	82.9	---	---	---	8
9	---	---	---	---	---	83.2	183	180	86.3	---	---	---	9
10	---	---	---	---	---	102	161	199 A	81.7	---	---	---	10
11	---	---	---	---	---	105	150	180	78.4	---	---	---	11
12	---	---	---	---	---	106	139	170	77.6	---	---	---	12
13	---	---	---	---	---	110	132	161	76.8	---	---	---	13
14	---	---	---	---	---	115	144	151	76.1	---	---	---	14
15	---	---	---	---	---	112	176	136	72.4	---	---	---	15
16	---	---	---	---	---	112	185	123	70.8	---	---	---	16
17	---	---	---	---	73.8A	116	167	116	70.8	---	---	---	17
18	---	---	---	---	---	114	179	108	68.5	---	---	---	18
19	---	---	---	---	---	114	168	97.6	62.3	---	---	---	19
20	---	---	---	---	---	117	157	93.0	59.2	---	---	---	20
21	---	---	---	---	---	122	154	82.7	57.4	---	---	---	21
22	---	---	---	---	---	137	150	86.5	55.0	---	---	---	22
23	---	---	---	---	---	133	147	161	52.8	---	---	---	23
24	---	---	---	---	---	135	143	193	52.5	---	---	---	24
25	---	---	---	---	127 A	128	122 A	188	53.3	---	---	---	25
26	---	---	---	---	183	118	116	166	53.4	---	---	---	26
27	---	---	---	---	180	110	117	176	52.4	---	---	---	27
28	---	---	---	---	180	104	118	168	51.7	---	---	---	28
29	---	---	---	---	188	98.9	117	180	49.9	---	---	---	29
30	---	---	---	---	184	90.7	113	183	51.6	---	---	---	30
31	---		---		134		108	141		---		---	31
TOTAL	---	---	---	---	---	3 382.1	4 407.6	4 388.6	3 381.0	---	---	---	TOTAL
MEAN	---	---	---	---	---	109	142	127	75.0	---	---	---	MEAN
MAX	---	---	---	---	---	135	187	199	130	---	---	---	MAX
MIN	---	---	---	---	---	84.8	87.9	82.7	48.8	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 199A ON AUG 10

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 28 48 N
LONG 111 28 40 W

A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	381 000
FEB	---	AUG	388 000
MAR	---	SEP	186 000
APR	---	OCT	---
MAY	---	NOV	---
JUN	284 000	DEC	---

EMBARRAS RIVER NEAR WEALD - STATION NO. 07AF014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.3708	0.4508	4.008	3.16	6.48	3.81	11.8	3.78	---	---	1
2	---	---	0.3618	0.4858	5.338	2.78	6.48	4.38	10.8	3.84	---	---	2
3	---	---	0.3638	0.4508	6.888	2.47	6.87	10.2	9.62	3.82	---	---	3
4	---	---	0.3618	0.4508	6.36	2.28	3.08	11.3	8.50	3.43	---	---	4
5	---	---	0.3788	0.4508	8.17	2.06	3.86	8.54	8.06	3.36	---	---	5
6	---	---	0.3928	0.4358	4.58	1.98	3.84	8.82	8.38	3.43	---	---	6
7	---	---	0.4008	0.4408	4.08	1.83	3.27	8.86	8.12	3.38	---	---	7
8	---	---	0.4028	0.4308	3.78	1.73	3.09	9.00	8.07	3.30	---	---	8
9	---	---	0.3958	0.5008	3.37	2.04	19.6	4.84	7.72	3.05	---	---	9
10	---	---	0.3858	0.5408	3.08	3.03	28.7	4.84	7.18	3.38	---	---	10
11	---	---	0.3608	0.5488	3.04	4.40	26.3	4.73	8.38	5.61	---	---	11
12	---	---	0.3768	0.5958	3.03	3.78	20.8	4.65	5.78	5.10	---	---	12
13	---	---	0.3788	0.6408	3.06	3.06	14.8	4.03	5.30	4.68	---	---	13
14	---	---	0.3788	0.7208	2.32	2.84	11.3	3.85	4.80	4.28	---	---	14
15	---	---	0.3708	1.00 E	2.08	2.74	9.80	3.77	4.56	3.84	---	---	15
16	---	---	0.3808	1.03 E	1.88	2.70	13.4	5.83	4.84	3.838	---	---	16
17	---	---	0.3628	1.12 E	1.78	2.68	10.7	21.7	8.86	3.428	---	---	17
18	---	---	0.3708	1.30 E	1.88	2.46	8.88	27.6	9.85	3.868	---	---	18
19	---	---	0.3828	1.75 E	3.46	2.37	7.38	22.1	8.83	3.218	---	---	19
20	---	---	0.3848	3.20 E	6.37	2.11	6.80	18.6	7.88	3.188	---	---	20
21	---	0.3828	0.4068	2.80 E	4.71	2.03	5.47	16.3	6.78	3.04	---	---	21
22	---	0.3808	0.4158	3.70 E	4.07	1.98	5.58	21.0	6.07	2.84	---	---	22
23	---	0.4088	0.4288	3.40 E	3.68	2.18	6.86	18.8	5.86	2.64	---	---	23
24	---	0.4008	0.4408	3.35 E	3.34	2.36	5.17	14.7	5.17	2.60	---	---	24
25	---	0.3858	0.4188	3.35 E	3.48	2.32	5.08	13.8	4.77	2.86	---	---	25
26	---	0.3808	0.3868	3.10 E	3.83	2.44	4.37	12.5	4.48	2.62	---	---	26
27	---	0.3758	0.3908	3.00 E	3.63	5.31	3.99	12.7	4.38	2.72	---	---	27
28	---	0.3688	0.4108	3.08 E	4.53	12.7	3.61	11.3	4.03	2.47	---	---	28
29	---		0.4308	3.18 E	6.15	8.98	4.33	10.8	3.83	2.388	---	---	29
30	---		0.4808	3.28 E	3.67	7.90	4.16	11.4	3.76	2.388	---	---	30
31	---		0.4808		3.38		3.70	12.1		1.448		---	31
TOTAL	---	---	13.261	47.803	118.15	101.32	383.78	348.15	203.62	103.19	---	---	TOTAL
MEAN	---	---	0.386	1.59	3.79	3.37	6.61	11.2	6.79	3.33	---	---	MEAN
MAX	---	---	0.480	3.70	8.88	12.7	26.3	31.7	11.8	5.61	---	---	MAX
MIN	---	---	0.360	0.435	1.78	1.73	3.27	3.85	3.76	1.44	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.87
MAXIMUM DAILY, 31.7 ON AUG 17
MINIMUM DAILY, 0.360B ON MAR 18
MAXIMUM INSTANTANEOUS,
39.4 AT 12:03 MST ON AUG 17

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 32 31 N
LONG 116 46 30 W
DRAINAGE AREA, 847 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	22 800
FEB	---	AUG	20 900
MAR	1 080	SEP	17 800
APR	4 110	OCT	6 810
MAY	10 000	NOV	---
JUN	6 780	DEC	---

TOTAL DISCHARGE, 103 000 dam³

SMITH RIVER BELOW HANLAN CREEK - STATION NO. 07AF007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	5.71B	3.80	7.78	4.20	20.8	3.82	---	---	1
2	---	---	---	---	11.3 B	3.38	5.08	5.80	16.8	3.74	---	---	2
3	---	---	---	---	10.8	3.07	4.84	33.8	14.8	3.88	---	---	3
4	---	---	---	---	8.48	2.81	4.13	22.5	13.2	3.45	---	---	4
5	---	---	---	---	6.78	2.71	4.00	18.2	10.9	3.38	---	---	5
6	---	---	---	---	5.90	2.48	3.81	11.9	10.5	3.30	---	---	6
7	---	---	---	---	5.28	2.33	3.74	8.94	10.5	3.19	---	---	7
8	---	---	---	---	4.84	2.23	27.2 A	7.17	11.5	2.98	---	---	8
9	---	---	---	---	4.23	2.80	---	6.03	11.0	2.83	---	---	9
10	---	---	---	---	3.88	6.34	---	5.33	10.1	2.87	---	---	10
11	---	---	---	---	3.74	8.58	---	7.68	8.78	5.35	---	---	11
12	---	---	---	---	3.82	8.38	46.4 E	6.80	7.78	5.21	---	---	12
13	---	---	---	---	3.24	6.68	27.4	6.80	8.93	4.70	---	---	13
14	---	---	---	---	2.98	3.93	20.3	6.72	8.28	4.28	---	---	14
15	---	---	---	---	2.84	4.68	28.1	5.21	8.78	3.87	---	---	15
16	---	---	---	---	2.71	5.06	44.0	22.2	8.40	3.628	---	---	16
17	---	---	---	---	2.64	5.28	27.8	82.0	11.0	3.408	---	---	17
18	---	---	---	---	2.87	4.63	30.8	80.1	12.8	3.208	---	---	18
19	---	---	---	---	3.40	3.81	16.8	52.8	11.3	3.008	---	---	19
20	---	---	---	---	5.81	3.45	12.3	37.4	9.88	2.808	---	---	20
21	---	---	---	---	8.38	3.34	10.8	28.0	8.88	2.408	---	---	21
22	---	---	---	---	4.88	3.04	9.78	23.4	7.38	2.508	---	---	22
23	---	---	---	---	4.38	2.91	7.88	20.4	6.63	2.408	---	---	23
24	---	---	---	---	3.88	3.08	7.38	18.8	6.08	2.308	---	---	24
25	---	---	---	5.338	4.00	3.04	6.91	14.4	5.58	2.308	---	---	25
26	---	---	---	5.518	3.88	3.00	5.88	15.1	5.32	2.208	---	---	26
27	---	---	---	4.728	4.38	8.87	4.84	14.7	4.87	2.108	---	---	27
28	---	---	---	4.738	8.43	18.2	4.43	13.8	4.63	2.108	---	---	28
29	---	---	---	6.038	8.48	13.4	4.18	14.0	4.34	2.088	---	---	29
30	---	---	---	6.428	8.38	9.85	3.87	18.3	4.08	2.048	---	---	30
31	---	---	---		4.12		3.88	19.6		2.048	---	---	31
TOTAL	---	---	---	---	161.46	151.58	---	632.60	373.26	87.33	---	---	TOTAL
MEAN	---	---	---	---	4.69	5.05	---	20.1	9.11	3.14	---	---	MEAN
MAX	---	---	---	---	11.3	19.2	---	80.1	20.8	5.35	---	---	MAX
MIN	---	---	---	---	2.64	2.23	---	4.20	4.08	2.04	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MINIMUM DAILY, 2.048 ON OCT 31

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 14 08 N
LONG 118 33 55 W
DRAINAGE AREA, 895 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	53 600
MAR	---	SEP	23 600
APR	---	OCT	8 410
MAY	13 100	NOV	---
JUN	13 100	DEC	---

ETHEL LAKE NEAR COLD LAKE - STATION NO. 05AC004

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	541.286A	541.281	541.344	541.348	541.348	541.338	541.276	541.183	541.181	---	1
2	---	---	541.283	541.282	541.344	541.350	541.340	541.340	541.272	541.187	541.168A	---	2
3	---	---	541.283	541.280	541.350	541.348	541.334	541.336	541.268	541.187	---	---	3
4	---	---	541.281	541.281	541.347	541.348	541.328	541.330	541.261	541.186	---	---	4
5	---	---	541.282	541.282	541.340	541.348	541.331	541.328	541.261	541.180	---	---	5
6	---	---	541.283	541.283	541.343	541.348	541.318	541.323	541.262	541.177	---	---	6
7	---	---	541.281	541.283	541.342	541.354	541.313	541.321	541.269	541.176	---	---	7
8	---	---	541.280	541.280	541.342	541.355	541.305	541.320	541.274	541.180	---	---	8
9	---	---	541.283	541.280	541.342	541.353	541.306	541.317	541.268	541.177	---	---	9
10	---	---	541.286	541.283	541.343	541.356	541.303	541.312	541.268	541.176	---	---	10
11	---	---	541.288	541.286	541.343	541.357	541.302	541.308	541.266	541.176	---	---	11
12	---	---	541.287	541.285	541.341	541.354	541.300	541.303	541.263	541.176	---	---	12
13	---	---	541.288	541.284	541.341	541.348	541.297	541.298	541.262	541.174	---	---	13
14	---	---	541.286	541.287	541.338	541.348	541.296	541.293	541.248	541.176	---	---	14
15	---	---	541.282	541.303	541.337	541.348	541.297	541.288	541.248	541.178	---	---	15
16	---	---	541.280	541.304	541.337	541.344	541.303	541.281	541.243	541.173	---	---	16
17	---	---	541.280	541.308	541.337	541.348	541.307	541.278	541.238	541.173	---	---	17
18	---	---	541.283	541.315	541.338	541.348	541.313	541.278	541.233	541.173	---	---	18
19	---	---	541.280	541.320	541.358	541.343	541.317	541.278	541.228	541.173	---	---	19
20	---	---	541.280	541.324	541.391	541.337	541.321	541.278	541.228	541.171	---	---	20
21	---	---	541.278	541.328	541.381	541.338	541.328	541.288	541.231	541.170	---	---	21
22	---	---	541.280	541.330	541.363	541.338	541.333	541.303	541.213	541.168	---	---	22
23	---	---	541.283	541.334	541.344	541.338	541.336	541.308	541.213	541.168	---	---	23
24	---	---	541.280	541.338	541.351	541.344	541.338	541.307	541.211	541.167	---	---	24
25	---	---	541.278	541.338	541.358	541.348	541.338	541.303	541.208	541.166	---	---	25
26	---	---	541.278	541.340	541.358	541.344	541.338	541.297	541.204	541.165	---	---	26
27	---	---	541.278	541.341	541.358	541.340	541.338	541.287	541.208	541.164	---	---	27
28	---	---	541.278	541.343	541.358	541.343	541.338	541.286	541.201	541.163	---	---	28
29	---		541.278	541.344	541.350	541.338	541.338	541.282	541.200	541.161	---	---	29
30	---		541.280	541.344	541.348	541.337	541.338	541.278	541.194	541.158	---	---	30
31	---		541.281		541.348		541.340	541.274		541.154	---	---	31
MEAN	---	---	541.284	541.308	541.348	541.348	541.321	541.301	541.241	541.173	---	---	MEAN
MAX	---	---	541.286	541.344	541.384	541.356	541.348	541.340	541.268	541.183	---	---	MAX
MIN	---	---	541.278	541.280	541.338	541.337	541.304	541.268	541.194	541.154	---	---	MIN

SUMMARY FOR THE YEAR 1989

WATER LEVELS IN METRES

MAXIMUM DAILY, 541.384 ON MAY 23

MAXIMUM INSTANTANEOUS,
541.387 AT 21:22 MST ON MAY 21

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 32 40 N
LONG 110 20 08 W

A - MANUAL GAUGE

DRAINAGE AREA,
594 km²

BYZIKOW COULEE NEAR NEMISKAM - STATION NO. 07AF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1980

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.420	---	2.43	0.288	1.11	0.440	---	---	1
2	---	---	---	---	0.382	---	1.83	0.283	1.31	0.412	---	---	2
3	---	---	---	---	0.361	---	1.48	0.273	1.32	0.512	---	---	3
4	---	---	---	---	0.377	---	1.19	0.273	1.32	0.510	---	---	4
5	---	---	---	---	0.304	---	0.993	0.181	1.30	0.481	---	---	5
6	---	---	---	---	0.283	---	0.873	0.181	1.44	0.497	---	---	6
7	---	---	---	---	0.197	0.184A	0.798	0.182	1.48	0.488	---	---	7
8	---	---	---	---	0.178	---	0.763	0.238	1.46	0.507	---	---	8
9	---	---	---	---	0.181	---	0.838	0.288	1.50	0.434	---	---	9
10	---	---	---	---	0.182	---	0.802	0.300	1.49	0.487	---	---	10
11	---	---	---	2.61 A	0.221A	---	0.513	0.311	1.48	0.828	---	---	11
12	---	---	---	2.31	---	---	0.488	0.280	1.48	0.481	---	---	12
13	---	---	---	2.04	---	---	0.391	0.218	1.33	0.438	---	---	13
14	---	---	---	1.78	---	---	0.380	0.243	1.38	0.317	---	---	14
15	---	---	---	1.57	---	---	0.438	0.304	1.18	0.338	---	---	15
16	---	---	---	1.30	---	---	0.421	0.384	1.14	0.377	---	---	16
17	---	---	---	1.36	---	---	0.444	0.414	0.939	0.388	---	---	17
18	---	---	---	1.33	---	---	0.516	0.378	1.01	0.429	---	---	18
19	---	---	---	1.08	---	0.380A	0.484	0.348	1.09	0.420	---	---	19
20	---	---	---	0.976	---	1.18	0.407	0.388	0.922	0.383	---	---	20
21	---	---	---	0.839	---	2.85	0.414	0.478	0.857	0.431	---	---	21
22	---	---	---	0.822	---	3.89	0.412	0.487	0.783	0.448	---	---	22
23	---	---	---	0.888	---	4.33	0.344	0.441	0.750	0.388	---	---	23
24	---	---	---	0.835	---	4.50	0.322	0.412	0.728	0.319	---	---	24
25	---	---	---	0.883	---	4.62	0.337	0.525	0.637	0.484	---	---	25
26	---	---	---	0.870	---	4.38	0.342	0.733	0.888	0.341	---	---	26
27	---	---	---	0.882	---	4.12	0.344	0.776	0.858	0.321	---	---	27
28	---	---	---	0.853	---	3.88	0.388	0.808	0.801	0.371	---	---	28
29	---	---	---	0.484	---	3.27	0.372	0.830	0.820	0.334	---	---	29
30	---	---	---	0.447	---	2.76	0.303	0.837	0.818	0.380	---	---	30
31	---	---	---		---		0.280	1.08		0.418		---	31
TOTAL	---	---	---	---	---	---	19.830	13.891	32.289	13.142	---	---	TOTAL
MEAN	---	---	---	---	---	---	0.640	0.441	1.08	0.424	---	---	MEAN
MAX	---	---	---	---	---	---	2.43	1.08	1.80	0.828	---	---	MAX
MIN	---	---	---	---	---	---	0.280	0.181	0.818	0.317	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 28 40 N
LONG 111 16 00 W
DRAINAGE AREA, 3 040 km²
A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 710
FEB	---	AUG	1 100
MAR	---	SEP	3 790
APR	---	OCT	1 140
MAY	---	NOV	---
JUN	---	DEC	---

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

EUNICE CREEK NEAR HINTON - STATION NO. 07AF008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1980

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.0188	0.2888	0.213	0.271	0.184	0.437	0.228	0.1118	---	1
2	---	---	---	0.0188	0.3208	0.202	0.237	0.267	0.387	0.208	---	---	2
3	---	---	---	0.0188	0.3508	0.190	0.218	0.248	0.360	0.186	---	---	3
4	---	---	---	0.0188	0.3788	0.181	0.221	0.198	0.332	0.187	---	---	4
5	---	---	---	0.0188	0.4408	0.188	0.383	0.178	0.330	0.184	---	---	5
6	---	---	---	0.0178	0.408	0.188	0.274	0.182	0.313	0.183	---	---	6
7	---	---	---	0.0178	0.383	0.163	0.328	0.187	0.317	0.178	---	---	7
8	---	---	---	0.0188	0.341	0.143	0.603	0.303	0.338	0.187	---	---	8
9	---	---	---	0.0188	0.298	0.145	1.18	0.180	0.333	0.182	---	---	9
10	---	---	---	0.0188	0.288	0.348	1.58	0.182	0.308	0.181	---	---	10
11	---	---	---	0.0188	0.287	0.278	1.38	0.138	0.280	0.188	---	---	11
12	---	---	---	0.0188	0.268	0.228	1.20	0.130	0.281	0.173	---	---	12
13	---	---	---	0.0188	0.188	0.208	0.884	0.130	0.248	0.188	---	---	13
14	---	---	---	0.0188	0.178	0.191	0.781	0.131	0.233	0.148	---	---	14
15	---	---	---	0.0188	0.187	0.182	0.834	0.142	0.218	0.163	---	---	15
16	---	---	---	0.0188	0.142	0.187	0.528	0.739	0.308	0.1338	---	---	16
17	---	---	---	0.0208	0.148	0.171	0.448	1.83	0.384	0.1278	---	---	17
18	---	---	---	0.0238	0.188	0.185	0.382	1.18	0.322	0.132	---	---	18
19	---	---	---	0.0268	0.188	0.148	0.343	0.878	0.318	0.138	---	---	19
20	---	---	---	0.0278	0.232	0.144	0.317	0.728	0.288	0.133	---	---	20
21	---	---	---	0.0288	0.222	0.138	0.298	0.718	0.282	0.128	---	---	21
22	---	---	---	0.0328	0.188	0.148	0.278	0.778	0.257	0.134	---	---	22
23	---	---	---	0.0368	0.182	0.185	0.247	0.688	0.233	0.118	---	---	23
24	---	---	---	0.0508	0.208	0.183	0.283	0.608	0.300	0.118	---	---	24
25	---	---	---	0.0838	0.271	0.148	0.238	0.508	0.288	0.117	---	---	25
26	---	---	---	0.0808	0.234	0.267	0.210	0.834	0.273	0.110	---	---	26
27	---	---	---	0.1038	0.247	0.731	0.188	0.487	0.358	0.107	---	---	27
28	---	---	---	0.1858	0.274	0.618	0.185	0.438	0.243	0.0888	---	---	28
29	---	---	---	0.2388	0.258	0.374	0.181	0.824	0.235	0.0848	---	---	29
30	---	---	---	0.2888	0.238	0.308	0.173	0.838	0.242	0.0878	---	---	30
31	---	---	---		0.227		0.187	0.482		0.0718		---	31
TOTAL	---	---	---	1.450	8.014	6.717	14.881	13.788	9.308	4.883	---	---	TOTAL
MEAN	---	---	---	0.048	0.288	0.224	0.483	0.444	0.307	0.147	---	---	MEAN
MAX	---	---	---	0.288	0.448	0.731	1.88	1.83	0.437	0.338	---	---	MAX
MIN	---	---	---	0.018	0.142	0.138	0.173	0.121	0.218	0.071	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND
MEAN, 0.274
MAXIMUM DAILY, 1.88 ON JUL 10
MINIMUM DAILY, 0.0188 ON APR 1
MAXIMUM INSTANTANEOUS,
2.02 AT 20:02 MST ON AUG 18

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 08 10 N
LONG 117 13 55 W
DRAINAGE AREA, 17.1 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 280
FEB	---	AUG	1 150
MAR	---	SEP	785
APR	138	OCT	383
MAY	682	NOV	---
JUN	880	DEC	---

TOTAL DISCHARGE, 5 070 dam³

EUREKA RIVER NEAR WORSLEY - STATION NO. 07FD013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	8.00E	3.25	0.050E	0.001	0.187	0.078	0.155A	---	1
2	---	---	0B	0.0015 B	7.95E	2.50	0.040E	0.001	0.138	0.118	---	---	2
3	---	---	0B	0.0065 B	7.51A	1.91	0.140E	0.004	0.158	0.330	---	---	3
4	---	---	0B	0.0228 B	7.28	1.81	0.160E	0.003	0.137	0.276	---	---	4
5	---	---	0B	0.0359 B	8.73	1.34	0.220E	0.003	0.083	0.390	---	---	5
6	---	---	0B	0.0508 B	5.90	1.17	0.240E	0.002	0.187	0.710	---	---	6
7	---	---	0B	0.0808 B	5.20	1.17	0.280E	0.002	0.182	0.530	---	---	7
8	---	---	0B	0.0708 B	4.50	1.30	0.300E	0.002	0.150	0.472	---	---	8
9	---	---	0B	0.0858 B	4.03	1.24	0.340E	0.002	0.127	0.490	---	---	9
10	---	---	0B	0.1138 B	3.68	1.19	0.280E	0.003	0.143	0.480	---	---	10
11	---	---	0B	0.650E B	3.38	1.02	0.220E	0.004	0.117	0.488	---	---	11
12	---	---	0B	3.00 B	3.20	0.783	0.170E	0.003	0.080	0.483	---	---	12
13	---	---	0B	7.30 B	4.20	0.733	0.070E	0.003	0.062	0.438	---	---	13
14	---	---	0B	8.40 B	3.08	0.537	0.040E	0.003	0.058	0.410	---	---	14
15	---	---	0B	8.10 B	2.78A	0.508	0.025E	0.003	0.050	0.382	---	---	15
16	---	---	0B	5.80 B	2.65E	0.478A	0.040E	0.130	0.068	0.341	---	---	16
17	---	---	0B	7.00 B	2.48E	0.360E	0.050E	0.701	0.064	0.338	---	---	17
18	---	---	0B	12.0 B	2.28E	0.310E	0.070E	0.573	0.041	0.285	---	---	18
19	---	---	0B	31.8 B	2.10E	0.230E	0.050E	0.510	0.031	0.368	---	---	19
20	---	---	0B	34.8	2.05E	0.150E	0.000E	0.378	0.035	0.280	---	---	20
21	---	---	0B	43.0	2.20E	0.108A	0.040E	0.187	0.042	0.234	---	---	21
22	---	---	0B	48.0	2.35E	0.080E	0.030E	0.087	0.038	0.228	---	---	22
23	---	---	0B	45.3	2.68A	0.100E	0.020E	0.121	0.038	0.213	---	---	23
24	---	---	0B	38.4	3.19	0.180E	0.008E	0.333	0.087	0.178	---	---	24
25	---	---	0B	28.8	3.89	0.200E	0.003A	0.381	0.088	0.135	---	---	25
26	---	---	0B	19.4	3.72	0.180E	0.001	0.413	0.038	0.167	---	---	26
27	---	---	0B	14.3	3.83	0.100E	0.001	0.478	0.040	0.173	---	---	27
28	---	---	0B	11.5 E	4.46	0.070E	0.002	0.497	0.036	0.288	---	---	28
29	---		0B	12.0 E	4.72	0.058E	0.001	0.448	0.032	0.145	---	---	29
30	---		0B	11.5 E	4.42	0.050E	0.001	0.387	0.052	0.138	---	---	30
31	---		0B		4.19		0.001	0.272		0.188		---	31
TOTAL	---	---	0	373.884	129.30	32.930	3.052	5.881	2.510	9.873	---	---	TOTAL
MEAN	---	---	0	12.5	4.17	0.784	0.098	0.183	0.084	0.312	---	---	MEAN
MAX	---	---	0	48.0	8.00	3.25	0.340	0.701	0.187	0.710	---	---	MAX
MIN	---	---	0	0	2.05	0.050	0.001	0.001	0.031	0.078	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.23
MAXIMUM DAILY, 48.0 ON APR 22
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
50.8 AT 07:30 MST ON APR 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 27 00 N
LONG 119 07 10 W
DRAINAGE AREA, 784 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	284
FEB	---	AUG	491
MAR	0	SEP	217
APR	33 300	OCT	838
MAY	11 200	NOV	---
JUN	1 980	DEC	---

TOTAL DISCHARGE, 47 300 dam³

EXPANSE COULEE NEAR THE MOUTH - STATION NO. 05AG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.117A	1.48A	1.54A	1.82	2.12	0.497	---	---	1
2	---	---	---	---	0.102A	1.46A	1.58A	1.76	2.01	0.487	---	---	2
3	---	---	---	---	0.174A	1.42A	1.72A	1.88	2.00	0.815	---	---	3
4	---	---	---	---	0.157A	1.44A	1.73A	1.88	1.97	0.565	---	---	4
5	---	---	---	---	0.150A	1.47A	1.67A	1.98	1.85	0.848	---	---	5
6	---	---	---	---	0.148A	1.41A	1.58A	2.08	1.78	0.538	---	---	6
7	---	---	---	---	0.138A	1.38A	1.58A	2.18	1.77	0.518	---	---	7
8	---	---	---	---	0.128A	1.48A	2.13	1.73	0.778	---	---	8	
9	---	---	---	---	0.229A	1.33A	1.43A	2.28	1.67	0.520	---	---	9
10	---	---	---	---	0.231A	1.61A	1.47A	2.34	1.83	0.383	---	---	10
11	---	---	---	---	0.208A	2.01A	1.91A	2.17	1.59	0.269	---	---	11
12	---	---	---	---	0.210A	1.88A	2.06A	2.30	1.47	0.252	---	---	12
13	---	---	---	---	0.201A	1.72A	1.94A	2.34	1.32	0.888	---	---	13
14	---	---	---	---	0.243A	1.67	2.17A	2.33	1.38	1.85	---	---	14
15	---	---	---	---	0.287A	1.54	1.88A	2.09	1.31	1.72	---	---	15
16	---	---	---	---	0.220A	1.37	2.03A	2.35	1.30	1.85	---	---	16
17	---	---	---	---	0.328A	1.33	2.03A	2.42	1.46	1.10	---	---	17
18	---	---	---	---	0.432A	1.35	1.80A	2.44	1.59	0.818	---	---	18
19	---	---	---	---	0.626A	1.28	1.74A	2.24	1.53	0.269	---	---	19
20	---	---	---	---	0.886A	1.38	1.82A	2.27	1.54	0.208	---	---	20
21	---	---	---	---	0.871A	1.89	1.88A	2.37	1.62	0.118	---	---	21
22	---	---	---	---	0.850A	1.84	1.88A	2.31	1.61	0.094	---	---	22
23	---	---	---	---	0.691A	1.52	1.98A	2.27	1.43	0.087	---	---	23
24	---	---	---	---	0.895A	1.50	2.24A	2.28	1.21	0.101	---	---	24
25	---	---	---	---	1.15 A	1.53	2.17A	2.38	1.23	0.078	---	---	25
26	---	---	---	0.228A	1.36 A	1.66	2.04A	2.37	1.21	0.073	---	---	26
27	---	---	---	0.252A	1.05 A	1.72A	2.00A	2.38	1.10	0.092	---	---	27
28	---	---	---	0.239A	1.15 A	1.67A	1.82	2.38	0.716	0.071	---	---	28
29	---		---	0.190A	1.33 A	1.61A	1.88	2.32	0.728	0.083	---	---	29
30	---		---	0.181A	1.07 A	1.60A	1.82	2.26	0.848	0.066	---	---	30
31	---		---		1.44 A		1.94	2.21		0.082A		---	31
TOTAL	---	---	---	---	15.668	45.39	55.97	66.72	44.393	14.883	---	---	TOTAL
MEAN	---	---	---	---	0.812	1.51	1.84	2.22	1.48	0.474	---	---	MEAN
MAX	---	---	---	---	1.44	2.01	2.34	2.44	2.12	1.72	---	---	MAX
MIN	---	---	---	---	0.117	1.23	1.43	1.76	0.848	0.082	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.34
MAXIMUM DAILY, 2.44 ON AUG 18
MINIMUM DAILY, 0.082A ON OCT 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 58 19 N
LONG 112 05 00 W
DRAINAGE AREA, 1 830 km²
A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4 830
FEB	---	AUG	5 840
MAR	---	SEP	3 840
APR	---	OCT	1 270
MAY	1 370	NOV	---
JUN	3 820	DEC	---

TOTAL DISCHARGE, 21 300 dam³

FALLENTIMBER CREEK NEAR SUNDRE - STATION NO. 05CA012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.6008	8.41	3.85	2.88	3.10	5.60	2.40	1.438	---	1
2	---	---	---	0.8208	8.43	3.42	2.84	2.88	5.41	2.34	1.338	---	2
3	---	---	---	1.03 B	8.74	3.40	2.38	3.42	5.52	2.34	---	---	3
4	---	---	---	1.15 B	7.13	3.29	2.20	3.11	7.07	2.20	---	---	4
5	---	---	---	1.27 B	6.85	3.24	2.19	2.79	8.10	2.18	---	---	5
6	---	---	---	1.38 B	7.22	3.17	2.18	2.82	8.37	2.13	---	---	6
7	---	---	---	0.8838	7.37	3.27	2.02	2.87	8.80	2.10	---	---	7
8	---	---	---	1.73 B	8.71	3.17	1.88	2.80	8.86	2.08	---	---	8
9	---	---	---	1.87 B	8.10	3.24	1.84	2.78	8.87	2.00	---	---	9
10	---	---	---	1.97 B	8.27	3.00	1.88	2.86	8.84	2.03	---	---	10
11	---	---	---	2.88 B	8.05	3.84	3.80	2.86	8.88	2.11	---	---	11
12	---	---	---	3.40 B	8.41	3.82	8.17	2.88	8.88	2.12	---	---	12
13	---	---	---	4.08 B	8.42	3.26	4.01	2.30	8.83	2.10	---	---	13
14	---	---	---	4.78 B	3.78	3.03	3.27	2.18	8.32	2.08	---	---	14
15	---	---	---	3.36 B	3.28	2.88	2.83	2.23	8.08	1.97	---	---	15
16	---	---	---	1.81 B	3.01	3.21	2.58	2.88	3.86	1.81	---	---	16
17	---	---	---	2.18 B	2.88	4.20	2.66	4.88	3.81	1.85	---	---	17
18	---	---	---	3.01 B	2.88	4.18	2.83	7.43	3.80	1.73	---	---	18
19	---	---	---	3.81 B	2.83	3.86	2.88	8.23	3.80	1.78	---	---	19
20	---	---	---	4.88 B	2.38	3.35	2.28	8.87	3.88	1.73	---	---	20
21	---	---	---	8.80 B	2.31	3.15	2.20	8.25	3.38	1.70	---	---	21
22	---	---	---	8.78 B	2.10	2.88	2.07	4.80	3.18	1.88	---	---	22
23	---	---	---	8.61 B	2.06	3.01	1.84	4.08	3.02	1.83	---	---	23
24	---	---	---	18.3 B	2.12	3.17	1.83	4.42	2.83	1.88	---	---	24
25	---	---	---	8.26 B	2.38	3.13	1.78	4.70	2.80	1.83	---	---	25
26	---	---	---	2.82	2.42	2.88	1.71	4.32	2.71	1.83	---	---	26
27	---	---	---	4.34	2.34	4.83	1.88	4.18	2.82	1.82	---	---	27
28	---	---	---	4.22	2.88	3.84	2.30	4.48	2.83	1.80	---	---	28
29	---	---	---	4.83	2.87	3.13	8.18	8.88	2.44	1.848	---	---	29
30	---	---	---	8.73	2.88	2.85	4.28	8.38	2.40	1.148	---	---	30
31	---	---	---		2.81		3.80	8.84		1.248	---	---	31
TOTAL	---	---	---	117.848	135.16	92.28	82.43	120.24	131.83	57.88	---	---	TOTAL
MEAN	---	---	---	3.82	4.36	3.08	2.88	3.88	4.38	1.88	---	---	MEAN
MAX	---	---	---	18.3	8.83	4.83	8.18	7.43	7.07	2.40	---	---	MAX
MIN	---	---	---	0.800	2.08	2.17	1.88	2.18	2.40	1.14	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.44
MAXIMUM DAILY, 18.38 ON APR 24
MINIMUM DAILY, 0.8008 ON APR 1
MAXIMUM INSTANTANEOUS,
18.38 AT 08:28 MST ON APR 24

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 04 10 N
LONG 114 38 20 W
DRAINAGE AREA, 488 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL 7 120	
FEB	---	AUG 10 400	
MAR	---	SEP 11 400	
APR 10 200		OCT 4 970	
MAY 11 700		NOV ---	
JUN 7 970		DEC ---	

TOTAL DISCHARGE, 83 800 dam³

PAWCETT LAKE NEAR SMITH - STATION NO. 07BK006

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	611.377E	611.630	611.785	611.618	611.488	611.487	611.432	611.388A	---	1
2	---	---	---	611.378E	611.627	611.788	611.618	611.500	611.480A	611.428	---	---	2
3	---	---	---	611.374E	611.642	611.788	611.618	611.508	---	611.428	---	---	3
4	---	---	---	611.372E	611.652	611.788	611.640	611.501	---	611.428	---	---	4
5	---	---	---	611.371	611.657	611.788	611.637	611.500	---	611.433	---	---	5
6	---	---	---	611.370	611.668	611.778	611.642	611.488	---	611.433	---	---	6
7	---	---	---	611.368	611.671	611.784	611.637	611.500	---	611.438	---	---	7
8	---	---	---	611.367	611.676	611.787	611.638	611.499	---	611.438	---	---	8
9	---	---	---	611.368	611.677	611.787	611.633	611.497	---	611.438	---	---	9
10	---	---	---	611.368	611.686	611.788	611.626	611.488	---	611.437	---	---	10
11	---	---	---	611.368	611.681	611.783	611.618	611.488	---	611.428	---	---	11
12	---	---	---	611.368	611.682	611.761	611.608	611.488	---	611.433	---	---	12
13	---	---	---	611.371	611.676	611.723	611.602	611.482	---	611.428	---	---	13
14	---	---	---	611.373	611.676	611.707	611.593	611.488	---	611.424	---	---	14
15	---	---	---	611.378	611.678	611.708	611.588	611.478	---	611.421	---	---	15
16	---	---	---	611.378	611.676	611.687	611.578	611.474	---	611.420	---	---	16
17	---	---	---	611.378	611.670	611.688	611.580	611.471	---	611.416	---	---	17
18	---	---	---	611.382	611.668	611.684	611.588	611.488	---	611.416	---	---	18
19	---	---	---	611.385	611.674	611.668	611.557	611.457	---	611.413	---	---	19
20	---	---	---	611.389	611.684	611.668	611.554	611.457	---	611.413	---	---	20
21	---	---	---	611.381	611.683	611.639	611.553	611.483	---	611.413	---	---	21
22	---	611.383A	---	611.388	611.680	611.632	611.584	611.470	---	611.413	---	---	22
23	---	611.380	---	611.408	611.680	611.628	611.537	611.468	---	611.408	---	---	23
24	---	611.380	---	611.428	611.688	611.624	611.528	611.465	---	611.408	---	---	24
25	---	611.378	---	611.442	611.688	611.621	611.513	611.487	---	611.408	---	---	25
26	---	611.373A	---	611.488	611.634	611.611	611.502	611.488	611.438A	611.408	---	---	26
27	---	---	---	611.488	611.684	611.604	611.483	611.488	611.438	611.405	---	---	27
28	---	---	---	611.480	611.681	611.588	611.481	611.474	611.435	611.405	---	---	28
29	---	---	---	611.483	611.717	611.588	611.488	611.474	611.435	611.401	---	---	29
30	---	---	611.380A	611.808	611.748	611.601	611.503	611.477	611.438	611.403	---	---	30
31	---	---	611.378E		611.774		611.503	611.479		611.397	---	---	31
MEAN	---	---	---	611.388	611.688	611.685	611.574	611.482	---	611.418	---	---	MEAN
MAX	---	---	---	611.808	611.774	611.788	611.643	611.508	---	611.435	---	---	MAX
MIN	---	---	---	611.367	611.630	611.588	611.488	611.483	---	611.387	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 611.788 ON JUN 3

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 10 30 N
LONG 113 51 30 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
1 240 km²

FIREBAG RIVER NEAR THE MOUTH - STATION NO. 07DC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	10.0 B	7.278	139	97.0	48.3	50.8	30.0	35.0	---	---	1
2	---	---	10.0 B	7.718	137	90.0	58.2	49.8	28.8	35.4	---	---	2
3	---	---	9.938	7.788	138	83.6	61.1	47.7	27.7	35.4	---	---	3
4	---	---	9.878	7.708	140	77.8	55.6	45.2	26.9	35.2	---	---	4
5	---	---	9.868	7.758	138	72.1	105	42.9	26.8	35.1	---	---	5
6	---	---	9.868	8.078	137	66.7	110	39.8	28.8	34.7	---	---	6
7	---	---	9.038	8.388	135	67.1	108	37.4	28.5	34.4	---	---	7
8	---	---	9.148	8.848	132	66.2	104	34.4	28.8	34.0	---	---	8
9	---	---	9.038	9.698	127	64.8	98.2	32.0	27.2	33.8	---	---	9
10	---	---	9.078	9.028	123	63.8	92.6	29.9	26.4	33.8	---	---	10
11	---	---	9.038	10.2 B	118	59.8	85.1	27.7	28.8	33.7	---	---	11
12	---	---	8.948	11.2 B	120	55.9	77.8	26.1	30.0	33.4	---	---	12
13	---	8.338	8.748	12.1 B	123	63.2	71.0	26.1	30.3	33.4	---	---	13
14	---	---	8.608	15.2 B	122	48.7	64.0	24.2	29.5	33.0	---	---	14
15	---	---	8.178	16.7 B	118	46.2	57.2	23.3	28.1	33.0	---	---	15
16	---	---	7.838	15.1 B	113	41.8	50.8	22.8	28.0	32.8	---	---	16
17	---	---	8.948	17.1 B	108	36.7	46.0	21.8	28.7	32.5	---	---	17
18	---	---	8.468	18.7 B	105	36.9	40.8	22.1	32.8	33.1	---	---	18
19	---	---	8.108	15.8 B	104	34.2	38.7	23.7	36.2	33.2	---	---	19
20	---	---	8.188	12.5 B	117	34.2	33.3	22.8	36.4	32.2	---	---	20
21	---	---	8.468	13.1 B	148	38.8	32.2	23.8	37.4	32.2	---	---	21
22	---	---	8.248	15.8 B	188	46.8	31.0	26.1	36.7	31.8	---	---	22
23	---	---	4.848	17.2 B	178	47.0	31.4	27.1	36.0	31.8	---	---	23
24	---	---	4.808	14.8 B	176	47.8	32.1	29.8	36.2	32.0	---	---	24
25	---	---	4.788	15.3 B	172	48.8	34.7	31.8	36.8	32.7	---	---	25
26	---	---	4.828	13.7 B	181	46.5	51.8	31.8	36.7	33.3A	---	---	26
27	---	---	4.308	15.2 B	147	48.3	58.1	32.2	37.8	34.0E	---	---	27
28	---	---	4.758	30.8 B	138	44.1	58.2	33.0	36.7	33.3E	---	---	28
29	---		5.288	84.8 B	122	44.0	57.2	33.2	36.0	33.2E	---	---	29
30	---		5.418	139 B	113	45.8	54.6	32.5	35.1	31.0E	---	---	30
31	---		5.818		104		51.5	31.3		30.0E		---	31
TOTAL	---	---	228.47	582.60	4 122	1 683.7	1 956.0	976.9	961.8	1 026.8	---	---	TOTAL
MEAN	---	---	7.31	19.7	133	56.1	63.1	31.8	32.1	33.2	---	---	MEAN
MAX	---	---	10.0	139	178	97.0	110	50.8	38.2	35.4	---	---	MAX
MIN	---	---	4.30	7.27	104	34.2	31.0	21.8	26.8	30.0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 46.8
MAXIMUM DAILY, 178 ON MAY 24
MINIMUM DAILY, 4.308 ON MAR 27
MAXIMUM INSTANTANEOUS,
178 AT 04:31 MST ON MAY 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 38 30 N
LONG 111 10 30 W
DRAINAGE AREA, 5 990 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	169 000
FEB	---	AUG	84 600
MAR	13 600	SEP	83 100
APR	44 600	OCT	88 600
MAY	356 000	NOV	---
JUN	143 000	DEC	---

TOTAL DISCHARGE, 903 000 dam³

FISH CREEK ABOVE LITTLE FISH LAKE - STATION NO. 06CE006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.5088	0.004	0.002	0.001	0	0	0	---	---	1
2	---	---	0 B	1.18 B	0.004	0.003	0	0	0	0	---	---	2
3	---	---	0 B	0.4048	0.004	0.003	0	0	0	0	---	---	3
4	---	---	0 B	0.2008	0.004	0.003	0	0	0	0	---	---	4
5	---	---	0 B	0.1628	0.004	0.003	0	0	0	0	---	---	5
6	---	---	0 B	0.1128	0.004	0.002	0	0	0	0	---	---	6
7	---	---	0 B	0.0728	0.004	0.002	0	0	0	0	---	---	7
8	---	---	0 B	0.0428	0.004	0.002	0	0	0	0	---	---	8
9	---	---	0 B	0.0288	0.004	0.002	0	0	0	0	---	---	9
10	---	---	0 B	0.0168	0.004	0.003	0	0	0	0	---	---	10
11	---	---	0 B	0.0138	0.003	0.003	0	0	0	0	---	---	11
12	---	---	0 B	0.0138	0.003	0.002	0.001	0	0	0	---	---	12
13	---	---	0 B	0.0128	0.003	0.003	0.001	0	0	0	---	---	13
14	---	---	0 B	0.0148	0.003	0.002	0.001	0	0	0	---	---	14
15	---	---	0 B	0.0168	0.003	0.001	0.001	0	0	0	---	---	15
16	---	---	0 B	0.0138	0.003	0.001	0.001	0	0	0	---	---	16
17	---	---	0 B	0.0128	0.003	0.001	0	0	0	0	---	---	17
18	---	---	0 B	0.011	0.003	0.002	0	0	0	0	---	---	18
19	---	---	0 B	0.010	0.010	0.001	0	0	0	0	---	---	19
20	---	0B	0 B	0.010	0.010	0.001	0	0	0	0	---	---	20
21	---	0B	0 B	0.011	0.004	0.001	0	0	0	0	---	---	21
22	---	0B	0 B	0.011	0.003	0.001	0	0	0	0	---	---	22
23	---	0B	0 B	0.010	0.003	0.001	0	0	0	0	---	---	23
24	---	0B	0 B	0.008	0.010	0.001	0	0	0	0	---	---	24
25	---	0B	0 B	0.007	0.008	0.001	0	0	0	0	---	---	25
26	---	0B	0 B	0.006	0.004	0.001	0	0	0	0	---	---	26
27	---	0B	0 B	0.005	0.003	0.001	0	0	0	0	---	---	27
28	---	0B	0 B	0.005	0.003	0.001	0	0	0	0	---	---	28
29	---		0.0028	0.004	0.003	0.001	0	0	0	0	---	---	29
30	---		0.0048	0.004	0.002	0.001	0	0	0	0.001A	---	---	30
31	---		0.0038		0.003		0	0		0.001E		---	31
TOTAL	---	---	0.006	2.909	0.128	0.051	0.006	0	0	0.002	---	---	TOTAL
MEAN	---	---	0	0.097	0.004	0.002	0	0	0	0	---	---	MEAN
MAX	---	---	0.004	1.18	0.010	0.003	0.001	0	0	0.001	---	---	MAX
MIN	---	---	0	0.004	0.002	0.001	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.013
MAXIMUM DAILY, 1.180 ON APR 2
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 61 23 15 N
LONG 112 12 15 W
DRAINAGE AREA, 121 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.62
FEB	---	AUG	0
MAR	0.78	SEP	0
APR	281	OCT	0.17
MAY	11.1	NOV	---
JUN	4.61	DEC	---

TOTAL DISCHARGE, 298 dam³

FISH CREEK AT BOW BOTTOM TRAIL - STATION NO. 05BK003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	0.243	0.090	0.280	0.177	0.142	---	1
2	---	---	---	---	---	---	0.174	0.173	0.481	0.116	0.138A	---	2
3	---	---	---	---	---	---	0.162	0.068	0.488	0.105	---	---	3
4	---	---	---	---	---	---	0.154	0.063	0.357	0.083	---	---	4
5	---	---	---	---	---	---	0.140	0.060	0.600	0.080	---	---	5
6	---	---	---	---	---	---	0.138	0.062	0.438	0.088	---	---	6
7	---	---	---	---	---	---	0.101	0.038	0.484	0.100	---	---	7
8	---	---	---	---	---	---	0.086	0.036	0.407	0.116	---	---	8
9	---	---	---	---	---	---	0.074	0.030	0.376	0.127	---	---	9
10	---	---	---	---	---	---	0.708	0.057	0.348	0.188	---	---	10
11	---	---	---	---	---	---	0.247	0.028	0.328	0.162	---	---	11
12	---	---	---	---	---	---	0.168	0.028	0.320	0.150	---	---	12
13	---	---	---	---	---	---	0.124	0.020	0.305	0.154	---	---	13
14	---	---	---	---	---	---	0.126	0.017	0.273	0.158	---	---	14
15	---	---	---	---	---	---	0.127	0.015	0.234	0.151	---	---	15
16	---	---	---	---	---	---	0.247	0.088	0.182	0.171	---	---	16
17	---	---	---	---	---	---	0.143	0.084	0.272	0.170	---	---	17
18	---	---	---	---	---	---	0.130	0.027	0.216	0.171	---	---	18
19	---	---	---	---	---	---	0.106	0.302	0.193	0.173	---	---	19
20	---	---	---	---	---	---	0.313	0.161	0.190	0.188	---	---	20
21	---	---	---	---	---	---	0.178	0.059	0.190	0.186	---	---	21
22	---	---	---	---	---	---	0.097	0.046	0.178	0.184	---	---	22
23	---	---	---	---	---	---	0.080	0.038	0.161	0.159	---	---	23
24	---	---	---	---	---	---	0.072	0.032	0.168	0.157	---	---	24
25	---	---	---	---	---	---	0.068	0.028	0.161	0.163	---	---	25
26	---	---	---	---	---	---	0.084	0.063	0.138	0.168	---	---	26
27	---	---	---	---	---	---	0.045	0.040	0.128	0.146	---	---	27
28	---	---	---	---	---	0.388A	0.039	0.286	0.126	0.135	---	---	28
29	---	---	---	---	---	0.384	0.027	0.144	0.125	0.132	---	---	29
30	---	---	---	---	---	0.387	0.033	0.302	0.133	0.138	---	---	30
31	---		---	---			0.188	0.280		0.160		---	31
TOTAL	---	---	---	---	---	---	4.527	3.584	8.241	4.485	---	---	TOTAL
MEAN	---	---	---	---	---	---	0.146	0.063	0.275	0.145	---	---	MEAN
MAX	---	---	---	---	---	---	0.708	0.302	0.600	0.182	---	---	MAX
MIN	---	---	---	---	---	---	0.027	0.015	0.125	0.080	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 54 25 N
LONG 114 00 56 W

A - MANUAL GAUGE

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	391
FEB	---	AUG	223
MAR	---	SEP	712
APR	---	OCT	388
MAY	---	NOV	---
JUN	---	DEC	---

FISH CREEK NEAR PRIDDIS - STATION NO. 05BK001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0018	1.50	0.883	0.284	0.095	0.384	0.195	0.1708	---	1
2	---	---	0 B	0.3288	1.93	0.748	0.263	0.128	0.331	0.175	0.1888	---	2
3	---	---	0 B	0.3318	2.34	0.684	0.237	0.103	0.738	0.193	---	---	3
4	---	---	0 B	0.4218	1.74	0.578	0.307	0.078	1.03	0.185	---	---	4
5	---	---	0 B	0.5138	1.43	0.882	0.177	0.066	0.883	0.218	---	---	5
6	---	---	0 B	0.3238	1.21	0.693	0.151	0.045	0.860	0.234	---	---	6
7	---	---	0 B	0.5018	1.13	0.600	0.148	0.033	0.615	0.221	---	---	7
8	---	---	0 B	0.4018	1.18	0.387	0.137	0.048	0.675	0.202	---	---	8
9	---	---	0 B	0.7088	0.885	0.411	0.117	0.033	0.694	0.212	---	---	9
10	---	---	0 B	0.7478	0.818	0.803	0.151	0.028	0.618	0.232	---	---	10
11	---	---	0 B	1.24 B	0.761	0.898	0.308	0.030	0.626	0.235	---	---	11
12	---	---	0 B	2.66 B	0.771	0.807	0.264	0.015	0.539	0.233	---	---	12
13	---	---	0 B	3.33 B	0.711	0.766	0.201	0.012	0.436	0.246	---	---	13
14	---	---	0 B	2.88 B	0.684	0.830	0.177	0.008	0.356	0.268	---	---	14
15	---	---	0 B	2.58 B	0.898	0.831	0.139	0.006	0.318	0.243	---	---	15
16	---	---	0 B	3.43 B	0.818	0.883	0.105	0.008	0.278	0.228	---	---	16
17	---	---	0 B	3.03 B	0.488	0.784	0.100	0.007	0.278	0.208	---	---	17
18	---	---	0 B	3.10 B	0.471	0.827	0.088	0.008	0.298	0.215	---	---	18
19	---	---	0 B	3.31 B	0.446	0.848	0.089	0.020	0.330	0.205	---	---	19
20	---	---	0 B	3.42 B	0.403	0.806	0.080	0.045	0.287	0.201	---	---	20
21	---	---	0 B	3.75 B	0.381	0.414	0.080	0.053	0.287	0.188	---	---	21
22	---	---	0 B	4.38 B	0.358	0.382	0.034	0.055	0.262	0.185	---	---	22
23	---	0B	0.0018	4.44	0.340	0.384	0.023	0.054	0.208	0.178	---	---	23
24	---	0B	0.0018	3.71	0.438	0.398	0.018	0.048	0.208	0.172	---	---	24
25	---	0B	0.0018	1.73	0.880	0.488	0.014	0.048	0.190	0.175	---	---	25
26	---	0B	0.0018	1.50	0.885	0.842	0.010	0.048	0.190	0.178	---	---	26
27	---	0B	0.0018	1.40	0.702	0.618	0.008	0.074	0.178	0.170	---	---	27
28	---	0B	0.0028	1.88	1.04	0.453	0.008	0.323	0.188	0.182A	---	---	28
29	---		0.0028	1.88	1.13	0.384	0.008	0.738	0.183	0.180E	---	---	29
30	---		0.0028	1.85	0.886	0.362	0.008	0.834	0.188	0.188E	---	---	30
31	---		0.0028		0.884		0.008	0.480		0.180B		---	31
TOTAL	---	---	0.013	89.823	27.801	18.888	3.427	3.308	13.888	6.182	---	---	TOTAL
MEAN	---	---	0	1.86	0.880	0.883	0.111	0.107	0.433	0.188	---	---	MEAN
MAX	---	---	0.002	4.44	2.34	0.907	0.284	0.738	1.03	0.288	---	---	MAX
MIN	---	---	0	0.081	0.348	0.362	0.008	0.008	0.183	0.188	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.629
MAXIMUM DAILY, 4.44 ON APR 23
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
8.01 AT 05:01 MST ON APR 23

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 53 10 N
LONG 114 10 38 W

DRAINAGE AREA, 399 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	288
FEB	---	AUG	266
MAR	1.13	SEP	1 100
APR	5 140	OCT	534
MAY	2 380	NOV	---
JUN	1 680	DEC	---

TOTAL DISCHARGE, 11 200 dam³

FLAT CREEK NEAR BOYLE - STATION NO. 07CA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0.003B	0.06B	0.08B	0.03B	0.007	0.007	0.010	0.008B	---	1
2	---	---	0B	0.003B	0.06B	0.11E	0.04B	0.02B	0.001	0.008	0.008B	---	2
3	---	---	0B	0.003B	0.06B	0.15B	0.14B	0.02E	0.00B	0.00B	0.008B	---	3
4	---	---	0B	0.004B	0.06B	0.11OE	0.03B	0.02I	0.00B	0.00B	0.007B	---	4
5	---	---	0B	0.007B	0.08B	0.08OE	0.01I	0.02I	0.00B	0.00B	0.007B	---	5
6	---	---	0B	0.010B	0.08B	0.08BE	0.02I	0.02O	0.00I	0.00B	0.007B	---	6
7	---	---	0B	0.015B	0.07B	0.08BE	0.08I	0.01B	0.00B	0.00I	---	---	7
8	---	---	0B	0.020B	0.08B	0.08OE	0.04O	0.012A	0.00B	0.00I	---	---	8
9	---	---	0B	0.025B	0.04B	0.08BE	0.05I	0.012E	0.01I	0.00I	---	---	9
10	---	---	0B	0.100B	0.22O	0.07OE	0.11I	0.012E	0.01I	0.00I	---	---	10
11	---	---	0B	0.300B	0.10B	0.07BE	0.08B	0.014E	0.01I	0.00I	---	---	11
12	---	---	0B	0.400B	0.08I	0.08OE	0.06B	0.015E	0.01I	0.00I	---	---	12
13	---	---	0B	0.515A	0.06I	0.08OE	0.05I	0.014E	0.01I	0.00I	---	---	13
14	---	---	0B	0.61B	0.04B	0.07BE	0.04B	0.012E	0.01I	0.00I	---	---	14
15	---	---	0B	0.31B	0.03B	0.08BE	0.04B	0.008E	0.01B	0.00I	---	---	15
16	---	---	0B	0.24B	0.02B	0.04BE	0.03I	0.004E	0.01I	0.00I	---	---	16
17	---	---	0B	0.14B	0.02B	0.03BE	0.02B	0.002E	0.01B	0.00I	---	---	17
18	---	---	0B	0.15B	0.02B	0.03OE	0.06B	0.002E	0.02I	0.00I	---	---	18
19	---	---	0B	0.12I	0.10I	0.042A	0.01B	0.003E	0.05I	0.00I	---	---	19
20	---	---	0B	0.11I	0.21B	0.042	0.02O	0.002E	0.02B	0.00I	---	---	20
21	---	---	0B	0.10O	0.32I	0.05I	0.03I	0.002E	0.01B	0.00B	---	---	21
22	---	---	0B	0.06B	0.27I	0.06I	0.00I	0.002E	0.01O	0.00I	---	---	22
23	---	0B	0B	0.06I	0.28B	0.06B	0.00I	0.002E	0.01O	0.00B	---	---	23
24	---	0B	0B	0.07B	0.30I	0.06I	0.00I	0.00BE	0.00B	0.00B	---	---	24
25	---	0B	0B	0.07I	0.28I	0.05I	0.00I	0.00BE	0.01O	0.00I	---	---	25
26	---	0B	0B	0.06I	0.22O	0.04I	0.00B	0.004E	0.01I	0.02I	---	---	26
27	---	0B	0B	0.07I	0.19B	0.03I	0.00I	0.003E	0.01I	0.00B	---	---	27
28	---	0B	0B	0.06B	0.18B	0.04I	0.00B	0.002A	0.01I	0.00I	---	---	28
29	---		0B	0.06B	0.14I	0.04I	0.02I	0.002E	0.01I	0.01O	---	---	29
30	---		0B	0.06B	0.13I	0.09I	0.01B	0.002E	0.01I	0.01I	---	---	30
31	---		0B		0.18B		0.00B	0.00I		0.010B		---	31
TOTAL	---	---	0	3.79B	3.97B	2.00B	1.19B	0.27B	0.39I	0.18I	---	---	TOTAL
MEAN	---	---	0	0.12I	0.12B	0.06I	0.03B	0.00B	0.01I	0.00B	---	---	MEAN
MAX	---	---	0	0.61B	0.32I	0.15B	0.14B	0.02B	0.05I	0.02I	---	---	MAX
MIN	---	---	0	0.00I	0.02B	0.03O	0.00I	0.00I	0.00I	0.00I	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.048
MAXIMUM DAILY, 0.515A ON APR 13
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.0B AT 00:30 MST ON JUL 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 35 15 N
LONG 112 54 20 W
DRAINAGE AREA, 184 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	104
FEB	---	AUG	24.0
MAR	0	SEP	34.3
APR	328	OCT	13.8
MAY	344	NOV	---
JUN	173	DEC	---

TOTAL DISCHARGE, 1 020 dam³

FOOTHILLS CREEK NEAR PINCHER CREEK - STATION NO. 05AD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.140E	0.312	0.530	E	0	0	0	---	---	1
2	---	---	---	0.140E	0.308	0.405	E	0	0	0	---	---	2
3	---	---	---	0.168A	0.288	0.291	E	0	0	0	---	---	3
4	---	---	---	0.196	0.300	0.218	E	0	0	0	---	---	4
5	---	---	---	0.174	0.228	0.178	E	0	0	0	---	---	5
6	---	---	---	0.211	0.181	0.140	E	0	0	0	---	---	6
7	---	---	---	0.247	0.158	0.105	E	0	0	0	---	---	7
8	---	---	---	0.267	0.133	0.073	E	0	0	0	---	---	8
9	---	---	---	0.230	0.123	0.053	E	0	0	0	---	---	9
10	---	---	---	0.207	0.128	0.092	E	0	0	0	---	---	10
11	---	---	---	0.201	0.113	0.274	0	0	0	0	---	---	11
12	---	---	---	0.181	0.083	0.814	0	0	0	0	---	---	12
13	---	---	---	0.186	0.077	0.438	0	0	0	0	---	---	13
14	---	---	---	0.208	0.083	0.311	0	0	0	0	---	---	14
15	---	---	---	0.246	0.080	0.219	0	0	0	0	---	---	15
16	---	---	---	0.282	0.043	0.154	0	0	0	0	---	---	16
17	---	---	---	0.268	0.043	0.109	0.030	0	0	0	---	---	17
18	---	---	---	0.169	0.038	0.073	0.026	0	0	0	---	---	18
19	---	---	---	0.161	0.038	0.061	0.011	0	0	0	---	---	19
20	---	---	---	0.186	0.020	0.036	0.010	0	0	0	---	---	20
21	---	---	---	0.224	0.013	0.022	0.005	0	0	0	---	---	21
22	---	---	---	0.224	0.007	0.012	0	0	0	0	---	---	22
23	---	---	---	0.200	0.003	0.013	0	0	0	0	---	---	23
24	---	---	---	0.184	0	0.010	0	0	0	0	---	---	24
25	---	---	---	0.148	0	0.028	0	0	0	0	---	---	25
26	---	---	---	0.168	0	0.028	0	0	0	0	---	---	26
27	---	---	---	0.212	0	0.019	0	0	0	0	---	---	27
28	---	---	---	0.251	0.047	0.033	0	0	0	0	---	---	28
29	---		---	0.230	0.189	0.033	0	0	0	0	---	---	29
30	---		---	0.207	0.156	0.012	0	0	0	0	---	---	30
31	---		---		0.267		0	0		0		---	31
TOTAL	---	---	---	6.247	3.319	4.574	0.082	0	0	0	---	---	TOTAL
MEAN	---	---	---	0.206	0.107	0.152	0.003	0	0	0	---	---	MEAN
MAX	---	---	---	0.282	0.312	0.814	0.030	0	0	0	---	---	MAX
MIN	---	---	---	0.148	0	0.010	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.089
MAXIMUM DAILY, 0.814 ON JUN 13
MINIMUM DAILY, 0 ON MAY 24
MAXIMUM INSTANTANEOUS,
0.727 AT 00:14 MST ON JUN 13

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 24 35 N
LONG 113 42 00 W
DRAINAGE AREA, 134 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	7.05
FEB	---	AUG	0
MAR	---	SEP	0
APR	540	OCT	0
MAY	287	NOV	---
JUN	395	DEC	---

TOTAL DISCHARGE, 1 230 dam³

FORSTER RESERVOIR NEAR CESSFORD - STATION NO 05CH013

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	25.813A	25.824	26.286	26.143	26.060	24.868	25.463	25.466E	25.378A	---	1
2	---	---	25.811E	25.844	26.329	26.144	26.077	24.867	25.488	25.450A	---	---	2
3	---	---	25.809E	25.858	26.385	26.143	26.084	24.868	25.501	25.444A	---	---	3
4	---	---	25.806E	25.875	26.438	26.142	26.088	24.875	25.502	25.448A	---	---	4
5	---	---	25.804E	25.886	26.473	26.167	26.087	24.884	25.508	25.449A	---	---	5
6	---	---	25.802A	25.895	26.490	26.159	26.053	24.892	25.513	25.448A	---	---	6
7	---	---	25.815	25.905	26.495	26.151	26.012	24.912	25.516	25.448A	---	---	7
8	---	---	25.815	25.906	26.497	26.144	25.987	24.937	25.517	25.448A	---	---	8
9	---	---	25.815	25.912	26.493	26.150	25.920	24.948	25.512	25.441A	---	---	9
10	---	---	25.814	25.919	26.493	26.142	25.893	24.975	25.506	25.436A	---	---	10
11	---	---	25.805	25.926	26.494	26.127	25.885	24.992	25.505	25.438A	---	---	11
12	---	---	25.807	25.929	26.488	26.117	25.846	25.015	25.506	25.436A	---	---	12
13	---	---	25.806	25.933	26.485	26.085	25.831	25.037	25.508	25.432	---	---	13
14	---	---	25.809	25.936	26.484	26.067	25.821	25.071	25.508	25.430	---	---	14
15	---	---	25.808	25.936	26.485	26.050	25.814	25.107	25.507	25.423A	---	---	15
16	---	---	25.805	25.933	26.474	26.019	25.814	25.159	25.504	25.418A	---	---	16
17	---	---	25.803	25.934	26.385	25.975	25.784	25.204	25.496	25.408	---	---	17
18	---	---	25.805	25.942	26.298	25.914	25.756	25.224	25.492	25.406	---	---	18
19	---	---	25.804	25.941	26.218	25.849	25.709	25.226	25.490	25.411	---	---	19
20	---	---	25.805	25.948	26.158	25.797	25.656	25.251	25.488	25.406	---	---	20
21	---	---	25.797	25.951	26.119	25.741	25.609	25.273	25.488	25.406A	---	---	21
22	---	---	25.795	25.949	26.081	25.712	25.532	25.293	25.482	25.406A	---	---	22
23	---	---	25.795	25.942	26.046	25.715	25.419	25.308	25.485	25.406	---	---	23
24	---	---	25.795	25.944	26.019	25.748	25.326	25.318	25.485	25.389	---	---	24
25	---	---	25.795	25.941	26.021	25.783	25.206	25.335	25.478	25.400A	---	---	25
26	---	---	25.795	25.941	26.047	25.840	25.080	25.366	25.477	25.395A	---	---	26
27	---	---	25.799	25.932	26.085	25.893	25.003	25.401	25.476A	25.395A	---	---	27
28	---	---	25.795	26.075	26.088	25.942	24.934	25.431	25.469A	25.385	---	---	28
29	---	---	25.788	26.140	26.074	25.963	24.903	25.467	25.467A	25.389A	---	---	29
30	---	---	25.793	26.200	26.089	26.033	24.888	25.485	25.464E	25.381	---	---	30
31	---	---	25.803		26.127		24.896	25.474		25.384	---	---	31
MEAN	---	---	25.802	25.942	26.284	25.995	25.644	25.143	25.494	25.421	---	---	MEAN
MAX	---	---	25.815	26.200	26.497	26.159	26.088	25.474	25.517	25.458	---	---	MAX
MIN	---	---	25.795	25.824	26.019	25.712	24.888	24.867	25.464	25.384	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1988

MAXIMUM DAILY, 26.497 ON MAY 6

MAXIMUM INSTANTANEOUS,
26.506 AT 17:42 MST ON MAY 6

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 59 51 N
LONG 111 45 56 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
303 km²

FREEMAN RIVER NEAR FORT ASSINIBOINE - STATION NO. 07AH001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.4200	0.6000	28.6	28.6	12.4	32.8	13.8	5.16	2.048	---	1
2	---	---	0.4200	0.6800	30.0	27.2	16.0	36.6	12.4	4.80	1.868	---	2
3	---	---	0.4200	0.7400	34.2	27.2	36.4	143	11.2	4.16	---	---	3
4	---	---	0.4000	0.8500	32.6	33.0	37.0	114	10.0	4.16	---	---	4
5	---	---	0.4200	0.8200	31.4	30.2	26.6	126	8.00	4.16E	---	---	5
6	---	---	0.4800	1.03 B	31.4	14.6	26.8	83.0	7.10	3.80	---	---	6
7	---	---	0.5000	1.14 B	32.6	13.6	16.6	62.2	6.30	3.80	---	---	7
8	---	---	0.5000	1.16 B	31.4	12.4	24.4	56.6	5.80	3.80	---	---	8
9	---	---	0.4858	1.22 B	30.0	18.6	93.0	61.0	7.10	3.84	---	---	9
10	---	---	0.4858	1.27 B	28.6	24.4	108	38.4	6.90	3.84	---	---	10
11	---	---	0.4758	1.33 B	28.6	27.2	87.6	35.8	4.40	3.84	---	---	11
12	---	---	0.4700	1.47 B	23.0	23.0	86.4	30.6	6.00	3.84	---	---	12
13	---	---	0.4858	1.76 B	20.2	8.00	48.8	32.6	6.80	3.84	---	---	13
14	---	---	0.4808	1.24 B	14.6	18.0	86.6	28.6	6.80	3.16	---	---	14
15	---	---	0.4658	1.07 B	12.4	13.6	39.0E	21.6	4.48	2.79	---	---	15
16	---	---	0.4508	0.9488	8.00	13.6	32.0E	16.8	4.48	3.40	---	---	16
17	0.4800	---	0.4458	0.8588	8.00	14.6	24.4	16.8	4.80	3.208	---	---	17
18	---	---	0.4428	1.61 B	8.00	11.2	26.8	30.0	7.10	3.60	---	---	18
19	---	---	0.4008	1.73 B	17.4	10.0	25.8	34.2	8.30	3.40	---	---	19
20	---	0.5908	0.4000	2.78 B	62.4	9.00	20.2	30.0	8.30	3.88	---	---	20
21	---	0.5808	0.4000	3.80 B	85.6	8.00	21.8	28.6	8.30	3.88	---	---	21
22	---	0.5808	0.4000	7.10 B	88.4	8.00	28.6	30.2	8.30	3.16	---	---	22
23	---	0.5408	0.4000	18.0 B	58.6	11.2	27.0	31.6E	7.10	3.18E	---	---	23
24	---	0.5258	0.4458	14.8 B	48.6	11.2	26.8	23.0	8.80	3.02	---	---	24
25	---	0.5008	0.4508	10.0 B	46.2	7.10	30.0	21.6	8.80	3.14	---	---	25
26	---	0.4758	0.4808	12.4 B	48.8	8.16	26.8	20.2	8.80	3.84	---	---	26
27	0.8568	0.4658	0.4858	13.8 B	44.0	8.16	25.8	18.0	8.80	3.88	---	---	27
28	---	0.4308	0.5008	14.8 B	48.4	4.48	21.8	14.8	4.80	2.778	---	---	28
29	---		0.5108	13.8 B	38.4	8.16	18.8	14.8	4.48	3.568	---	---	29
30	---		0.5308	24.4 B	34.2	7.10	16.0	13.8	5.16	3.408	---	---	30
31	---		0.5508		31.4		37.0	13.8		2.228	---	---	31
TOTAL	---	---	14.142	184.724	1 046.80	429.16	1 131.8	1 247.8	200.80	105.02	---	---	TOTAL
MEAN	---	---	0.456	6.16	33.8	14.3	36.5	40.3	6.70	3.42	---	---	MEAN
MAX	---	---	0.850	24.4	85.6	28.8	108	143	13.8	5.16	---	---	MAX
MIN	---	---	0.400	0.800	8.00	4.48	13.4	13.8	4.48	2.22	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 17.7
MAXIMUM DAILY, 143 ON AUG 3
MINIMUM DAILY, 0.4000 ON MAR 4
MAXIMUM INSTANTANEOUS,
177 ON AUG 3

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 21 52 N
LONG 114 54 13 W
DRAINAGE AREA, 1 650 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

REMARKS - PEAK DISCHARGE WAS DERIVED FROM HIGH WATER MARK

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	87 500
FEB	---	AUG	106 000
MAR	1 230	SEP	17 400
APR	13 400	OCT	9 180
MAY	80 500	NOV	---
JUN	37 100	DEC	---

TOTAL DISCHARGE, 376 000 dam³

GALWAY BROOK NEAR WATERTON PARK - STATION NO. 05AD904

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.478	1.58	0.113	0.134	0.140	0.227	---	---	1
2	---	---	---	---	0.858	1.38	0.104	0.134	0.140	0.224	---	---	2
3	---	---	---	---	0.938	1.30	0.094	0.133	0.140	0.222	---	---	3
4	---	---	---	---	1.10	1.18	0.088	0.132	0.140	0.220	---	---	4
5	---	---	---	---	1.28	1.10	0.041	0.131	0.141	0.218	---	---	5
6	---	---	---	---	1.54	1.06	0.038	0.129	0.142	0.218	---	---	6
7	---	---	---	---	1.63	0.986	0.033	0.131	0.142	0.213	---	---	7
8	---	---	---	---	1.62	0.842	0.030	0.131	0.144	0.210	---	---	8
9	---	---	---	---	1.54	0.803	0.026	0.128	0.148	0.207	---	---	9
10	---	---	---	---	1.60	0.989	0.029	0.130	0.148	0.209	---	---	10
11	---	---	---	---	1.55	1.37	0.037	0.131	0.194	0.204	---	---	11
12	---	---	---	---	1.29	1.31	0.026	0.132	0.181	0.197	---	---	12
13	---	---	---	0.067	1.18	1.17	0.141	0.134	0.187	0.190	---	---	13
14	---	---	---	0.062	0.894	1.19	0.188	0.138	0.172	0.181	---	---	14
15	---	---	---	0.074	0.814	0.886	0.152	0.138	0.160	0.170	---	---	15
16	---	---	---	0.074	0.803	0.886	0.147	0.141	0.184	0.164	---	---	16
17	---	---	---	0.072	0.888	0.788	0.142	0.141	0.208	0.167	---	---	17
18	---	---	---	0.074	0.880	0.716	0.137	0.140	0.210	0.161	---	---	18
19	---	---	---	0.090	0.828	0.686	0.134	0.140	0.214	0.148	---	---	19
20	---	---	---	0.082	0.787	0.602	0.148	0.141	0.217	0.140	---	---	20
21	---	---	---	0.085	0.737	0.649	0.144	0.141	0.220	0.134	---	---	21
22	---	---	---	0.093	0.723	0.619	0.138	0.138	0.222	0.128	---	---	22
23	---	---	---	0.089	0.722	0.486	0.137	0.138	0.224	0.130	---	---	23
24	---	---	---	0.087	0.688	0.485	0.137	0.181	0.228	0.114	---	---	24
25	---	---	---	0.118	0.868	0.488	0.137	0.181	0.228	0.109	---	---	25
26	---	---	---	0.188	0.868	0.368	0.138	0.178	0.224	0.108	---	---	26
27	---	---	---	0.285	0.670	0.213	0.138	0.148	0.220	0.101	---	---	27
28	---	---	---	0.288	0.886	0.183	0.136	0.186	0.218	0.098	---	---	28
29	---	---	---	0.330	0.676	0.133	0.135	0.180	0.223	0.092	---	---	29
30	---	---	---	0.350	0.687	0.119	0.135	0.147	0.231	0.090	---	---	30
31	---	---	---		0.881		0.134	0.142		0.132	---	---	31
TOTAL	---	---	---	---	31.147	24.131	3.278	4.384	5.530	5.074	---	---	TOTAL
MEAN	---	---	---	---	1.00	0.804	0.106	0.140	0.184	0.164	---	---	MEAN
MAX	---	---	---	---	1.63	1.84	0.188	0.178	0.231	0.227	---	---	MAX
MIN	---	---	---	---	0.478	0.119	0.026	0.129	0.140	0.090	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 1.63 ON MAY 7

MAXIMUM INSTANTANEOUS,
2.01 AT 19:47 MST ON MAY 7

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 08 25 N
LONG 113 51 00 W
DRAINAGE AREA, 30.6 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	283
FEB	---	AUG	376
MAR	---	SEP	478
APR	---	OCT	438
MAY	2 690	NOV	---
JUN	2 080	DEC	---

GHOST LAKE NEAR COCHRANE - STATION NO. 05BE005

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1181.83	1181.87	1181.82	1181.77	1181.81	1185.84	1180.68	1180.74	1180.77	1180.84	1181.08	1181.37	1
2	1181.78	1181.84	1181.78	1181.71	1181.87	1185.88	1180.80	1180.83	1180.80	1180.88	1181.01	1181.38	2
3	1181.88	1181.81	1181.86	1181.68	1181.78	1186.32	1180.78	1180.83	1180.83	1180.88	1181.03	1181.38	3
4	1181.88	1181.86	1181.84	1181.81	1181.80	1185.78	1180.88	1180.81	1180.87	1180.78	1181.10	1181.38	4
5	1182.06	1181.80	1181.82	1181.81	1181.82	1186.06	1180.78	1180.85	1180.85	1180.76	1181.17	1181.38	5
6	1182.06	1181.87	1181.72	1181.88	1181.86	1187.54	1180.73	1180.80	1180.88	1180.73	1181.23	1181.38	6
7	1181.83	1181.76	1181.76	1181.77	1182.06	1186.06	1180.73	1180.73	1180.80	1180.78	1181.27	1181.44	7
8	1181.84	1181.82	1181.84	1181.86	1182.06	1186.87	1180.78	1180.71	1180.85	1180.80	1181.31	1181.41	8
9	1181.87	1181.80	1181.84	1181.88	1181.84	1186.86	1180.88	1180.77	1180.82	1180.77	1181.35	1181.43	9
10	1181.84	1182.00	1181.84	1181.80	1182.01	1186.18	1180.70	1180.80	1180.78	1180.77	1181.35	1181.35	10
11	1181.87	1182.04	1181.88	1181.83	1182.02	1185.48	1180.72	1181.00	1180.78	1180.82	1181.34	1181.32	11
12	1181.88	1181.88	1181.73	1181.88	1181.88	1185.87	1180.77	1180.88	1180.80	1180.88	1181.44	1181.18	12
13	1181.78	1181.87	1181.88	1181.86	1181.86	1186.81	1180.80	1180.85	1180.87	1180.83	1181.44	1181.30	13
14	1181.80	1181.84	1181.88	1181.78	1182.02	1180.08	1180.83	1180.80	1180.83	1180.88	1181.56	1181.37	14
15	1181.71	1181.82	1181.88	1181.82	1182.88	1180.34	1180.88	1180.78	1180.83	1180.88	1181.58	1181.34	15
16	1181.71	1182.00	1181.86	1181.87	1183.08	1180.88	1180.81	1180.88	1180.72	1180.88	1181.57	1181.38	16
17	1181.78	1182.04	1181.88	1181.83	1183.04	1180.77	1180.88	1181.02	1180.74	1180.88	1181.59	1181.34	17
18	1181.83	1182.00	1181.78	1181.88	1183.47	1180.88	1180.88	1181.01	1180.83	1180.89	1181.58	1181.25	18
19	1181.88	1181.83	1181.88	1181.81	1183.84	1180.80	1180.81	1181.01	1180.88	1180.81	1181.60	1181.31	19
20	1182.03	1181.78	1181.72	1181.81	1184.13	1180.88	1180.80	1180.83	1180.80	1180.80	1181.57	1181.18	20
21	1182.03	1181.72	1181.84	1181.88	1184.28	1180.83	1180.80	1180.81	1180.72	1180.82	1181.83	1181.08	21
22	1181.81	1181.84	1182.06	1181.88	1184.20	1180.82	1180.87	1180.83	1180.73	1180.88	1181.48	1181.06	22
23	1181.86	1181.82	1182.13	1182.06	1184.37	1180.80	1180.88	1180.80	1180.78	1180.83	1181.48	1181.18	23
24	1181.78	1181.88	1182.10	1182.03	1184.81	1180.84	1180.82	1180.88	1180.73	1180.87	1181.48	1181.28	24
25	1181.88	1182.01	1182.07	1181.88	1184.78	1180.78	1180.88	1180.81	1180.78	1180.83	1181.47	1181.30	25
26	1181.73	1181.83	1182.00	1181.87	1184.88	1180.88	1180.83	1180.78	1180.84	1180.78	1181.48	1181.40	26
27	1181.87	1181.84	1181.88	1181.80	1185.18	1180.81	1180.77	1180.77	1180.88	1180.88	1181.38	1181.47	27
28	1181.86	1181.78	1181.87	1181.73	1185.38	1180.87	1180.73	1180.83	1180.88	1181.00	1181.33	1181.47	28
29	1181.83		1181.86	1181.78	1185.33	1180.85	1180.84	1180.81	1180.87	1181.07	1181.28	1181.42	29
30	1182.08		1181.88	1181.78	1185.34	1180.88	1180.83	1180.84	1180.87	1181.15	1181.27	1181.37	30
31	1181.80		1181.80		1185.84		1180.85	1180.78		1181.18		1181.37	31
MEAN	1181.82	1181.83	1181.85	1181.83	1183.23	1180.48	1180.78	1180.88	1180.78	1180.88	1181.38	1181.31	MEAN
MAX	1182.08	1182.04	1182.13	1182.08	1186.84	1180.87	1180.84	1181.02	1180.88	1181.18	1181.88	1181.47	MAX
MIN	1181.44	1181.61	1181.88	1181.88	1181.81	1185.84	1180.83	1180.71	1180.83	1180.73	1181.01	1181.08	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 1187.20
MAXIMUM DAILY, 1181.88 ON NOV 17
MINIMUM DAILY, 1181.44 ON JAN 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 13 00 N
LONG 114 43 00 W
DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED

DRAINAGE AREA,
5 480 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

GHOST RIVER ABOVE WAIPAROUS CREEK - STATION NO. 05BG010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.078	1.57	1.348	1.48	2.42	1.83	2.15	3.37	3.89	3.93	3.88	3.39	1
2	2.118	1.51	1.348	1.43	3.05	1.82	2.19	3.50	3.85	3.92	3.82	3.37	2
3	2.238	1.48	1.38	1.42	3.14	1.88	2.21	3.31	4.05	3.90	3.87	3.37	3
4	2.28	1.528	1.388	1.42	2.77	1.80	2.24	3.33	3.83	3.90	3.82	3.38	4
5	2.27	1.578	1.618	1.40	2.48	1.59	2.28	3.23	4.08	3.93	3.84	3.38	5
6	2.30	1.718	1.69	1.43	2.38	1.82	2.27	3.24	4.07	3.92	3.92	3.33	6
7	2.30	1.78	1.82	1.44	2.38	1.87	2.28	3.26	4.08	3.89	3.85	3.28	7
8	2.10	1.72	1.66	1.46	2.28	1.89	2.28	3.21	4.02	3.88	3.83	3.24	8
9	2.10	1.78	1.62	1.45	2.13	1.84	2.36	3.33	3.88	3.88	3.82	3.19	9
10	2.148	1.78	1.63	1.44	2.01	1.87	2.52	3.28	3.86	4.00	3.85	3.14	10
11	2.238	1.78	1.63	1.47	1.84	1.82	2.68	3.33	3.82	4.00	3.85	3.108	11
12	2.34	1.78	1.448	1.84	1.89	1.82	2.58	3.24	3.81	4.01	3.83	3.05	12
13	2.32	1.78	1.418	2.08	1.81	1.85	2.55	3.27	4.02	4.05	3.78	3.05	13
14	2.28	1.578	1.378	2.35	1.73	1.88	2.53	3.38	3.84	4.04	3.81	3.07	14
15	2.31	1.578	1.378	2.88	1.88	1.84	2.56	3.41	3.78	4.02	3.78	3.04	15
16	2.238	1.578	1.378	2.34	1.89	2.03	2.58	3.83	3.75	4.05	3.75	3.04	16
17	2.22	1.528	1.338	1.85	1.85	2.11	2.83	4.25	3.86	4.00	3.74	3.08	17
18	2.18	1.528	1.338	2.03	1.80	2.03	2.63	3.81	3.83	4.00	3.78	2.898	18
19	2.16	1.538	1.338	2.14	1.82	1.88	2.85	3.78	3.81	4.00	3.88	2.848	19
20	2.18	1.68	1.418	2.18	1.80	1.88	2.58	3.87	3.78	3.99	3.82	2.838	20
21	2.14	1.89	1.43	2.28	1.47	1.83	2.82	3.83	3.76	3.93	3.78	2.838	21
22	2.038	1.84	1.44	2.48	1.48	2.00	2.84	3.44	3.73	4.00	3.86	2.918	22
23	1.908	1.82	1.43	2.23	1.47	1.88	2.74	3.45	3.78	3.89	3.88	2.82	23
24	1.828	1.81	1.42	2.10	1.49	2.12	2.77	3.48	3.78	3.88	3.85	2.80	24
25	2.078	1.85	1.44	2.13	1.80	2.38	2.80	3.43	3.79	4.02	3.87	2.88	25
26	2.04	1.85	1.44	2.02	1.83	2.33	2.80	3.48	3.78	3.95	3.82	2.88	26
27	2.02	1.84	1.46	1.83	1.70	2.32	2.87	3.86	3.84	3.85	3.81	2.80	27
28	1.98	1.488	1.46	1.84	1.88	2.18	3.24	4.05	3.87	3.93	3.85	2.88	28
29	1.83		1.42	2.20	1.77	2.17	3.10	4.08	3.83	3.83	3.87	2.86	29
30	1.87		1.44	2.47	1.86	2.20	3.08	4.10	3.83	3.88	3.84	2.86	30
31	1.73		1.48		1.86		3.10	4.17		3.88		2.86	31
TOTAL	65.94	45.80	44.87	57.25	59.56	57.59	80.14	109.95	116.80	122.83	112.75	94.91	TOTAL
MEAN	2.13	1.63	1.44	1.91	1.92	1.92	2.59	3.55	3.89	3.97	3.76	3.06	MEAN
MAX	2.34	1.78	1.68	2.88	3.14	2.38	3.24	4.25	4.08	4.05	3.85	3.39	MAX
MIN	1.73	1.48	1.33	1.40	1.47	1.57	2.15	3.21	3.73	3.88	3.44	2.83	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.85
MAXIMUM DAILY, 4.25 ON AUG 17
MINIMUM DAILY, 1.338 ON MAR 17
MAXIMUM INSTANTANEOUS,
4.55 AT 07:30 MST ON AUG 17

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 16 15 N
LONG 114 55 18 W
DRAINAGE AREA, 686 km²

B - ICE CONDITIONS

REGULATED SINCE 1941

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 700	JUL	8 920
FEB	3 940	AUG	9 500
MAR	3 880	SEP	10 100
APR	4 950	OCT	10 600
MAY	5 150	NOV	9 740
JUN	4 980	DEC	8 200

TOTAL DISCHARGE, 83 800 dam³

GHOST RIVER DIVERSION TO LAKE MINNEWANKA - STATION NO. 05BG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	0.453	2.68	3.14	1.78	8.28	1.81	0.908	0.481	1
2	---	---	---	0	0.428	3.65	2.72	1.84	8.31	1.78	0.878	0.483	2
3	---	---	---	0	0.398	3.40	2.52	1.67	7.02	1.70	0.850	0.483	3
4	---	---	---	0	0.398	3.50	2.41	1.78	7.02	1.81	0.850	0.453	4
5	---	---	---	0	0.481	4.90	2.24	1.78	8.87	1.59	0.793	0.398	5
6	---	---	---	0	0.834	5.32	2.07	1.73	8.77	1.86	0.793	0.388	6
7	---	---	---	0	1.08	4.88	2.01	1.84	8.63	1.53	0.765	0.340	7
8	---	---	---	0	1.83	4.70	2.04	2.12	8.31	1.60	0.765	0.311	8
9	---	---	---	0	3.08	5.81	1.88	2.38	8.85	1.47	0.738	0.311	9
10	---	---	---	0	3.48	5.78	2.38	3.88	8.68	1.47	0.738	0.311	10
11	---	---	---	0	2.88	8.23	4.87	2.87	8.30	1.44	0.738	0.283	11
12	---	---	---	0	1.93	5.78	4.28	2.48	4.88	1.38	0.708	0.283	12
13	---	---	---	0	1.88	5.61	3.48	2.21	4.73	1.38	0.880	0.255	13
14	---	---	---	0	1.39	5.52	3.03	2.12	4.42	1.33	0.651	0.255	14
15	---	---	---	0	1.38	5.61	3.03	2.10	4.19	1.30	0.823	0.227	15
16	---	---	---	0	1.44	5.78	3.20	4.22	3.86	1.27	0.595	0.227	16
17	---	---	---	0	1.88	5.61	2.75	7.11	3.71	1.25	0.595	0.198	17
18	---	---	---	0	1.80	4.98	2.48	7.58	3.48	1.22	0.595	0.113	18
19	---	---	---	0	1.38	4.26	2.24	7.70	3.14	1.18	0.595	0.057	19
20	---	---	---	0	1.30	3.81	2.10	7.87	2.87	1.19	0.595	0	20
21	---	---	---	0.028	1.32	3.08	2.04	7.42	3.78	1.18	0.595	0	21
22	---	---	---	0.057	1.18	2.75	1.83	7.08	2.81	1.13	0.568	0	22
23	---	---	---	0.085	1.18	2.75	1.81	6.40	2.48	1.10	0.595	0	23
24	---	---	---	0.085	1.13	3.08	1.73	3.57	2.38	1.08	0.538	0	24
25	---	---	---	0.113	1.10	3.68	1.84	0.227	2.28	1.05	0.538	0	25
26	---	---	---	0.113	1.08	4.38	1.88	2.92	2.15	1.02	0.510	0	26
27	---	---	---	0.142	1.10	4.98	1.85	5.88	2.04	0.991	0.510	0	27
28	---	---	---	0.142	1.10	3.88	2.18	6.28	1.88	0.991	0.510	0	28
29	---	---	---	0.170	1.10	3.34	2.12	6.43	1.83	0.963	0.510	0	29
30	---	---	---	0.311	1.30	3.28	1.80	6.34	1.87	0.938	0.481	0	30
31	---	---	---		1.81		1.78	6.51		0.908		0	31
TOTAL	---	---	---	1.248	42.075	132.77	75.20	125.667	128.13	40.285	19.740	5.778	TOTAL
MEAN	---	---	---	0.042	1.38	4.43	2.43	4.08	4.27	1.30	0.658	0.188	MEAN
MAX	---	---	---	0.311	3.48	8.23	4.87	7.70	7.02	1.81	0.908	0.481	MAX
MIN	---	---	---	0	0.398	2.68	1.84	0.227	1.87	0.908	0.481	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 7.70 ON AUG 19
MINIMUM DAILY, 0 ON APR 1

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 17 00 N
LONG 115 10 00 W

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	8 800
FEB	---	AUG	10 600
MAR	---	SEP	11 100
APR	105	OCT	3 480
MAY	3 840	NOV	1 710
JUN	11 500	DEC	499

GHOST RIVER NEAR BLACK ROCK MOUNTAIN - STATION NO. 05BG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.510B	1.18	3.31	3.74	1.93	8.80	1.93	1.15 E	---	1
2	---	---	---	0.510	1.02	4.83	3.20	2.04	7.08	1.87	1.13	---	2
3	---	---	---	0.510	0.908	4.22	2.87	2.07	8.28	1.81	1.10	---	3
4	---	---	---	0.510	0.906	4.47	2.83	1.95	8.48	1.78	1.10	---	4
5	---	---	---	0.510	1.02	8.17	2.83	1.83	8.88	1.73	1.08	---	5
6	---	---	---	0.538	1.87	7.08	2.44	1.80	7.78	1.70	1.08	---	6
7	---	---	---	0.538	2.07	8.28	2.38	1.81	7.33	1.67	1.08	---	7
8	---	---	---	0.538	3.84	5.80	2.38	2.32	8.68	1.64	1.02	---	8
9	---	---	---	0.538	5.44	7.42	2.28	2.88	8.43	1.61	1.02	---	9
10	---	---	---	0.538B	5.95	8.27	2.76	3.89	8.14	1.84	1.02	---	10
11	---	---	---	0.538	4.78	9.68	5.88	3.23	8.72	1.81	1.02	---	11
12	---	---	---	0.510	3.09	7.88	4.82	2.72	8.30	1.58	0.991	---	12
13	---	---	---	0.510	2.41	7.31	3.88	2.41	8.04	1.88	0.883	---	13
14	---	---	---	0.510	2.07	7.14	3.48	2.32	4.70	1.83	0.934	---	14
15	---	---	---	0.538	1.98	7.18	3.48	2.28	4.48	1.80	0.8782	---	15
16	---	---	---	0.588	2.04	7.88	3.82	5.18	4.08	1.47	0.850	---	16
17	---	---	---	0.588	2.18	7.28	3.11	10.7	3.81	1.44	0.850	---	17
18	---	---	---	0.588	2.01	8.28	2.78	12.7	3.62	1.42	0.878	---	18
19	---	---	---	0.588	1.87	8.24	2.85	15.1	3.31	1.42	0.878	---	19
20	---	---	---	0.5888	1.70	4.26	2.34	14.8	3.11	1.42	0.878	---	20
21	---	---	---	0.623	1.81	3.88	2.28	11.4	2.92	1.38	0.850	---	21
22	---	---	---	0.851	1.58	3.31	2.18	9.17	2.78	1.38	0.850	---	22
23	---	---	---	0.698	1.53	3.31	2.04	7.83	2.61	1.33	0.850	---	23
24	---	---	---	0.588	1.50	3.74	1.95	8.81	2.48	1.30	0.821	---	24
25	---	---	---	0.588	1.42	4.78	1.84	8.17	2.38	1.30	0.821	---	25
26	---	---	---	0.588	1.42	5.38	1.78	8.00	2.27	1.27	0.821	---	26
27	---	---	---	0.638	1.42	8.17	1.73	8.14	2.12	1.28	0.793	---	27
28	---	---	---	0.638	1.42	4.70	2.41	7.18	2.07	1.22	0.783	---	28
29	---		---	0.588	1.42	3.88	2.38	7.38	2.01	1.22	0.793	---	29
30	---		---	0.878	1.84	3.84	2.10	7.11	1.98	1.18	0.7888	---	30
31	---		---		2.01		1.98	7.31		1.15		---	31
TOTAL	---	---	---	16.792	84.842	170.18	98.07	175.85	161.93	46.31	28.037	---	TOTAL
MEAN	---	---	---	0.580	2.09	5.67	2.78	5.67	4.73	1.49	0.935	---	MEAN
MAX	---	---	---	0.878	5.95	9.68	5.88	15.1	9.28	1.93	1.15	---	MAX
MIN	---	---	---	0.510	0.906	3.31	1.73	1.81	1.98	1.15	0.785	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.89
MAXIMUM DAILY, 15.1 ON AUG 19
MINIMUM DAILY, 0.510B ON APR 1

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

SUMMARY FOR THE MONTHS APR TO NOV

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 18 00 N
LONG 115 11 00 W
DRAINAGE AREA, 211 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	7 440
FEB	---	AUG	15 200
MAR	---	SEP	13 300
APR	1 480	OCT	4 000
MAY	5 810	NOV	3 430
JUN	14 700	DEC	---

TOTAL DISCHARGE, 83 100 dam³

GHOST TAILRACE - STATION NO. 05BE999

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	48.2	50.8	57.3	51.7	58.3	72.3	141	116	131	70.3	71.8	55.5	1
2	47.1	49.8	56.0	51.8	54.1	72.7	144	115	128	78.9	72.8	57.9	2
3	46.8	49.0	57.5	55.8	54.5	83.1	137	126	123	74.3	83.6	58.5	3
4	48.5	50.1	58.7	48.7	53.8	88.7	135	132	122	81.5	67.2	57.1	4
5	46.3	57.2	57.0	49.4	58.7	88.7	131	122	110	81.9	63.2	53.8	5
6	55.3	57.6	57.7	44.8	57.1	108	128	119	117	83.1	58.8	55.1	6
7	56.1	57.3	56.4	46.7	77.0	144	128	120	130	87.3	58.8	59.2	7
8	56.0	55.8	57.4	47.3	82.8	134	121	120	131	85.0	62.8	58.0	8
9	55.7	57.0	56.7	48.4	87.7	138	121	118	128	83.0	68.3	64.8	9
10	57.1	58.2	57.0	48.8	108	135	122	122	125	82.8	61.1	63.3	10
11	55.0	56.1	56.8	50.8	125	182	124	123	120	80.7	55.4	58.2	11
12	57.7	56.3	57.2	51.3	132	198	121	127	118	88.5	58.7	60.8	12
13	54.2	57.8	57.6	55.3	114	218	120	128	113	85.8	57.1	57.2	13
14	54.3	56.9	57.8	57.1	83.8	212	124	123	100	85.2	53.5	58.5	14
15	54.2	60.2	58.5	47.3	81.7	217	133	132	92.1	85.1	52.3	55.1	15
16	55.7	56.7	57.4	48.0	78.3	237	123	117	84.8	88.3	54.4	59.8	16
17	57.1	56.8	57.7	47.7	74.7	258	144	125	84.8	88.2	58.2	58.8	17
18	53.8	58.0	58.8	50.8	88.8	253	148	148	88.8	70.7	64.8	62.8	18
19	57.5	57.1	58.8	54.3	72.8	228	144	138	83.4	70.8	62.2	62.2	19
20	56.7	56.7	62.0	53.2	72.7	178	134	160	86.8	71.3	58.1	59.5	20
21	56.4	56.8	61.1	50.3	73.2	172	127	152	85.7	80.8	63.8	58.7	21
22	54.6	57.1	58.4	48.1	73.8	184	128	149	80.4	84.7	65.0	64.0	22
23	56.1	57.2	58.6	48.0	73.0	132	132	149	79.4	86.5	63.5	49.5	23
24	57.2	57.3	63.6	47.5	78.3	128	134	145	78.0	83.1	62.3	48.7	24
25	56.6	56.6	61.8	51.8	75.8	127	129	143	73.3	70.4	62.4	50.0	25
26	57.4	56.6	63.8	56.8	72.0	141	136	129	73.8	84.6	58.8	49.5	26
27	56.6	58.3	64.6	58.0	66.2	121	127	117	78.1	87.8	76.5	57.1	27
28	55.0	58.3	64.7	51.7	66.6	138	131	116	78.8	82.8	81.1	61.5	28
29	55.4		65.3	44.0	71.1	136	131	122	77.8	80.4	83.1	64.8	29
30	56.8		64.6	44.6	73.8	136	128	136	77.3	80.1	83.8	68.7	30
31	57.3		65.5		84.2		123	142		84.1		65.4	31
TOTAL	1 689.8	1 618.3	1 728.4	1 606.8	2 382.8	4 743.5	4 006	4 025	3 028.8	2 657.8	1 883.4	1 830.4	TOTAL
MEAN	54.5	57.7	55.8	50.3	76.2	158	129	130	101	85.4	62.8	58.7	MEAN
MAX	58.8	60.8	65.0	58.3	132	258	148	160	131	83.1	81.1	68.0	MAX
MIN	46.3	55.8	50.8	44.0	53.8	72.3	120	114	73.3	50.4	52.8	49.5	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 83.5
MAXIMUM DAILY, 258 ON JUN 17
MINIMUM DAILY, 44.0 ON APR 25

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 13 30 N
LONG 114 42 30 W

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	148 000	JUL	348 000
FEB	140 000	AUG	348 000
MAR	148 000	SEP	282 000
APR	130 000	OCT	178 000
MAY	204 000	NOV	183 000
JUN	410 000	DEC	187 000

TOTAL DISCHARGE, 2 830 000 dam³

GLENMORE RESERVOIR AT CALGARY - STATION NO. 05BJ004

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1074.708	1074.188	1073.538	1072.888	1074.858	1074.828	1074.828	1075.308	1075.378	1074.888	1075.518	1075.308	1
2	1074.678	1074.138	1073.538	1072.888	1074.838	1074.838	1074.838	1075.328	1075.428	1074.958	1075.548	1075.288	2
3	1074.638	1074.098	1073.518	1072.888	1074.858	1074.828	1074.848	1075.318	1075.488	1074.728	1075.588	1075.308	3
4	1074.618	1074.048	1073.488	1073.018	1074.818	1074.878	1074.728	1075.308	1075.488	1074.788	1075.588	1075.338	4
5	1074.608	1073.988	1073.488	1073.068	1074.878	1074.948	1074.818	1075.308	1075.488	1074.838	1075.628	1075.348	5
6	1074.588	1073.928	1073.478	1073.098	1074.848	1074.918	1074.918	1075.348	1075.418	1074.888	1075.638	1075.358	6
7	1074.568	1073.878	1073.488	1073.138	1074.888	1074.818	1074.948	1075.388	1075.328	1074.938	1075.818	1075.318	7
8	1074.528	1073.808	1073.448	1073.188	1074.948	1074.888	1075.008	1075.348	1075.226	1074.878	1075.578	1075.288	8
9	1074.488	1073.748	1073.408	1073.208	1074.948	1074.908	1075.088	1075.308	1075.098	1075.018	1075.548	1075.308	9
10	1074.438	1073.688	1073.338	1073.248	1074.908	1074.978	1074.888	1075.278	1074.948	1075.068	1075.518	1075.338	10
11	1074.388	1073.658	1073.238	1073.288	1074.828	1074.828	1074.828	1075.288	1074.818	1075.118	1075.498	1075.298	11
12	1074.348	1073.628	1073.148	1073.348	1074.708	1074.488	1074.838	1075.288	1074.718	1075.188	1075.478	1075.238	12
13	1074.308	1073.618	1073.088	1073.428	1074.678	1074.428	1074.918	1075.288	1074.828	1075.188	1075.448	1075.228	13
14	1074.288	1073.598	1073.038	1073.558	1074.448	1074.388	1074.908	1075.258	1074.818	1075.188	1075.398	1075.238	14
15	1074.288	1073.598	1073.028	1073.708	1074.378	1074.388	1074.878	1075.248	1074.428	1075.188	1075.358	1075.238	15
16	1074.288	1073.588	1073.028	1073.888	1074.418	1074.348	1074.878	1075.288	1074.378	1075.148	1075.338	1075.238	16
17	1074.268	1073.588	1073.028	1073.848	1074.508	1074.338	1074.888	1075.288	1074.358	1075.158	1075.348	1075.248	17
18	1074.248	1073.558	1073.008	1074.088	1074.538	1074.328	1074.898	1075.318	1074.338	1075.168	1075.378	1075.238	18
19	1074.248	1073.538	1072.988	1074.188	1074.538	1074.388	1074.918	1075.358	1074.218	1075.188	1075.388	1075.218	19
20	1074.248	1073.528	1072.988	1074.288	1074.528	1074.418	1074.888	1075.388	1074.128	1075.208	1075.388	1075.188	20
21	1074.248	1073.528	1072.988	1074.428	1074.488	1074.478	1075.028	1075.378	1074.188	1075.228	1075.388	1075.108	21
22	1074.248	1073.508	1072.958	1074.608	1074.478	1074.538	1075.088	1075.348	1074.238	1075.248	1075.328	1075.058	22
23	1074.248	1073.488	1072.958	1074.748	1074.488	1074.558	1075.088	1075.298	1074.288	1075.288	1075.308	1075.018	23
24	1074.238	1073.508	1072.958	1074.778	1074.528	1074.578	1075.088	1075.238	1074.338	1075.288	1075.328	1075.018	24
25	1074.208	1073.518	1072.878	1074.788	1074.578	1074.818	1075.088	1075.128	1074.388	1075.308	1075.338	1075.048	25
26	1074.188	1073.518	1072.888	1074.778	1074.808	1074.858	1075.088	1075.028	1074.388	1075.328	1075.358	1075.088	26
27	1074.188	1073.528	1072.888	1074.788	1074.848	1074.888	1075.088	1074.838	1074.418	1075.388	1075.358	1075.118	27
28	1074.188	1073.538	1072.888	1074.808	1074.888	1074.708	1075.118	1074.908	1074.428	1075.388	1075.358	1075.148	28
29	1074.188		1072.888	1074.808	1074.728	1074.678	1075.148	1074.958	1074.458	1075.428	1075.388	1075.188	29
30	1074.178		1072.888	1074.808	1074.788	1074.638	1075.198	1075.088	1074.818	1075.488	1075.388	1075.188	30
31	1074.178		1072.878		1074.788		1075.258	1075.258		1075.488		1075.178	31
MEAN	1074.383	1073.887	1073.182	1073.885	1074.880	1074.802	1074.948	1075.248	1074.716	1075.128	1075.442	1075.215	MEAN
MAX	1074.708	1074.188	1073.538	1074.808	1074.958	1074.948	1075.258	1075.388	1075.488	1075.488	1075.638	1075.358	MAX
MIN	1074.188	1073.488	1072.858	1072.888	1074.378	1074.328	1074.828	1074.908	1074.128	1074.888	1075.308	1075.018	MIN

WATER LEVELS IN METRES

MEAN, 1074.895
MAXIMUM DAILY, 1075.638 ON NOV 8
MINIMUM DAILY, 1072.858 ON MAR 31

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM
APPLY +10.838 M ADJUSTMENT TO CONVERT TO CITY OF CALGARY DATUM

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 00 00 N
LONG 114 08 00 W
DATA CONTRIBUTED BY -
CITY OF CALGARY WATER WORKS DEPARTMENT

DRAINAGE AREA,
1 230 km²

GOAT CREEK AT BANFF PARK BOUNDARY - STATION NO. 05BC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.188	1.248	1.03 B	0.484	0.884	0.693	0.731	0.735	0.787	0.678	0.501	0.580	1
2	1.188	1.248	1.08 B	0.458	1.18	0.698	0.712	0.780	0.818	0.643	0.512	0.617	2
3	1.22	1.238	1.04 B	0.4448	1.32	0.638	0.704	0.778	0.848	0.609	0.531	0.617	3
4	1.18	1.228	1.08 B	0.841	1.30	0.638	0.701	0.878	0.830	0.482	0.520	0.608	4
5	1.18	1.228	1.10	0.482	1.08	0.708	0.882	0.888	0.888	0.830	0.508	0.588	5
6	1.188	1.228	1.08	0.488	0.827	0.778	0.882	0.718	0.887	0.888	0.488	0.603	6
7	1.148	1.188	1.08	0.485	0.878	0.744	0.859	0.738	0.853	0.884	0.478	0.597	7
8	1.138	1.238	1.08	0.481	0.881	0.723	0.881	0.717	0.802	0.871	0.488	0.598	8
9	1.188	1.218	1.09	0.4838	0.881	0.724	0.840	0.884	0.813	0.884	0.835	0.589	9
10	1.20	1.178	1.11	0.4738	0.748	0.728	0.884	0.882	0.818	0.884	0.780	0.888	10
11	1.21	1.178	1.10	0.481	0.884	0.705	0.870	0.817	0.788	0.848	0.703	0.880	11
12	1.20	1.138	1.11	0.478	0.837	0.711	0.843	0.848	0.710	0.847	0.888	0.824	12
13	1.18	1.108	1.11	0.477	0.807	0.721	0.889	0.738	0.885	0.828	0.858	0.858	13
14	1.17	1.078	1.08	0.518	0.887	0.800	0.878	0.738	0.840	0.838	0.842	0.874	14
15	1.22	1.088	1.11	0.584	0.810	0.783	0.736	0.788	0.838	0.821	0.884	0.878	15
16	1.20	1.088	1.10 B	0.838	0.478	0.813	0.784	0.838	0.828	0.812	0.823	0.888	16
17	1.22	1.088	1.04 B	0.823	0.811	0.762	0.717	0.878	0.887	0.818	0.800	0.881	17
18	1.23	1.098	1.10 B	0.8238	0.838	0.713	0.748	0.883	0.708	0.488	0.892	0.8538	18
19	1.23	1.12	1.10	0.844	0.828	0.738	0.884	0.887	0.748	0.872	0.804	0.8508	19
20	1.28	1.118	1.10 B	0.840	0.838	0.713	0.708	0.883	0.787	0.477	0.811	0.8378	20
21	1.25	1.09	0.811	0.888	0.838	0.878	0.701	0.838	0.788	0.488	0.840	0.8888	21
22	1.218	1.12	0.885	0.787	0.834	0.888	0.718	0.818	0.771	0.448	0.888	0.8888	22
23	1.188	1.10	0.818	0.872	0.848	0.840	0.884	0.838	0.778	0.482	0.884	0.888	23
24	1.208	1.12	0.478	0.874	0.838	0.888	0.873	0.781	0.788	0.482	0.808	0.858	24
25	1.228	1.148	0.488	0.888	0.882	0.717	0.882	0.808	0.733	0.488	0.814	0.878	25
26	1.21	1.148	0.478	0.838	0.888	0.735	0.847	0.788	0.782	0.483	0.888	0.887	26
27	1.22	1.078	0.478	0.430	0.803	0.720	0.708	0.814	0.888	0.488	0.808	0.882	27
28	1.25	1.048	0.470	0.488	0.818	0.878	0.720	0.888	0.884	0.508	0.818	0.874	28
29	1.27		0.484	0.888	0.883	0.888	0.883	0.844	0.870	0.801	0.883	0.870	29
30	1.28		0.4478	0.878	0.880	0.713	0.883	0.811	0.883	0.821	0.884	0.847	30
31	1.248		0.482		0.888		0.738	0.817		0.818		0.874	31
TOTAL	37.48	31.89	27.523	15.848	20.761	21.181	21.888	24.437	22.185	15.888	15.448	17.888	TOTAL
MEAN	1.21	1.14	0.888	0.532	0.888	0.708	0.888	0.788	0.740	0.515	0.515	0.577	MEAN
MAX	1.38	1.24	1.11	0.787	1.32	0.813	0.784	0.884	0.888	0.812	0.883	0.824	MAX
MIN	1.13	1.04	0.447	0.430	0.478	0.693	0.843	0.817	0.883	0.448	0.488	0.847	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.784
MAXIMUM DAILY, 1.32 ON MAY 3
MINIMUM DAILY, 0.430 ON APR 27

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 03 30 N
LONG 115 28 50 W
DRAINAGE AREA, 40.9 km²

B - ICE CONDITIONS

REGULATED SINCE 1951

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 240	JUL	1 890
FEB	2 790	AUG	2 110
MAR	2 380	SEP	1 920
APR	1 380	OCT	1 380
MAY	1 790	NOV	1 330
JUN	1 830	DEC	1 550

TOTAL DISCHARGE, 23 800 dam³

GOLD CREEK NEAR FRANK - STATION NO. 05AA030

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.197	0.575	1.42 A	0.702	0.591	0.528	0.485	0.417	0.388	1
2	---	---	---	0.182	0.830	1.70	0.683	0.601	0.570	0.453	0.424	0.388	2
3	---	---	---	0.193	0.858	1.73	0.677	0.596	0.533	0.445	0.418	0.407	3
4	---	---	---	0.193	0.889	1.70 A	0.682	0.578	0.515	0.441	0.428	0.403	4
5	---	---	---	0.189	0.884	1.64 E	0.645	0.578	0.578	0.438	0.418	0.402	5
6	---	---	---	0.204	1.33	1.58 E	0.625	0.580	0.557	0.430	0.415	0.395	6
7	---	---	---	0.237	1.67	1.51 E	0.608	0.548	0.555	0.427	0.417	0.382	7
8	---	---	---	0.209	1.83	1.47 A	0.593	0.541	0.548	0.427	0.412	0.388	8
9	---	---	---	0.2888	1.79	1.47	0.588	0.548	0.558	0.423	0.414	0.383	9
10	---	---	---	0.3738	1.81	1.81	0.591	0.538	0.556	0.428	0.448	0.3838	10
11	---	---	---	0.401	1.85	1.89	0.852	0.507	0.541	0.425	0.453	0.3838	11
12	---	---	---	0.432	1.73	1.44	0.818	0.494	0.529	0.442	0.438	0.3438	12
13	---	---	---	0.442	1.48	1.38	0.795	0.482	0.519	0.483	0.410	---	13
14	---	---	---	0.448	1.33	1.31	1.02	0.503	0.512	0.459	0.417	---	14
15	---	---	---	0.450	1.24	1.23	0.989	0.504	0.503	0.457	0.344	---	15
16	---	---	---	0.389	1.18	1.18	0.908	0.488	0.503	0.432	0.377	---	16
17	---	---	---	0.3838	1.18	1.07	0.888	0.488	0.498	0.430	0.390	---	17
18	---	---	---	0.390	1.18	1.03	0.838	0.478	0.498	0.430	0.418	---	18
19	---	---	---	0.410	1.12 A	1.00	0.815	0.488	0.482	0.432	0.418	---	19
20	---	---	---	0.418	1.08 E	0.970	0.800	0.458	0.472	0.450	0.414	---	20
21	---	---	---	0.484	1.05 E	0.927	0.787	0.457	0.473	0.484	0.408	---	21
22	---	---	0.213A	0.537	1.00 E	0.883	0.743	0.448	0.484	0.443	0.384	---	22
23	---	---	0.208	0.518	0.950E	0.857	0.737	0.448	0.481	0.441	0.392	---	23
24	---	---	0.213	0.478	0.890E	0.848	0.705	0.505	0.487	0.448	0.410	---	24
25	---	---	0.207	0.474	1.02 E	0.858	0.868	0.492	0.456	0.449	0.402	---	25
26	---	---	0.217	0.482	0.860E	0.809	0.874	0.513	0.447	0.448	0.351	---	26
27	---	---	0.208	0.484	0.810E	0.771	0.848	0.585	0.439	0.447	0.383	---	27
28	---	---	0.208	0.438	0.870E	0.748	0.833	0.585	0.437	0.442	0.369	---	28
29	---		0.204	0.461	0.820E	0.733	0.820	0.573	0.444	0.443	0.367	---	29
30	---		0.202	0.492	0.784E	0.714	0.804	0.580	0.441	0.447	0.367	---	30
31	---		0.198		1.00 E		0.897	0.561		0.444		---	31
TOTAL	---	---	---	11.185	38.700	38.160	22.184	16.230	15.088	13.881	12.042	---	TOTAL
MEAN	---	---	---	0.373	1.18	1.30	0.718	0.523	0.502	0.441	0.401	---	MEAN
MAX	---	---	---	0.537	1.85	1.73	1.02	0.601	0.578	0.485	0.453	---	MAX
MIN	---	---	---	0.182	0.575	0.714	0.588	0.445	0.437	0.423	0.344	---	MIN

SUMMARY FOR THE MONTHS APR TO NOV

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.669
MAXIMUM DAILY, 1.85 ON MAY 11
MINIMUM DAILY, 0.182 ON APR 2
MAXIMUM INSTANTANEOUS,
2.01 AT 05:00 MST ON MAY 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 38 08 N
LONG 114 24 00 W
DRAINAGE AREA, 92.8 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 820
FEB	---	AUG	1 400
MAR	---	SEP	1 300
APR	998	OCT	1 180
MAY	3 170	NOV	1 040
JUN	3 120	DEC	---

TOTAL DISCHARGE, 14 100 dam³

GRANDE PRAIRIE CREEK NEAR SEXSMITH - STATION NO. 07GE003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.014	0.238	0	0	0.838	0.180	0.118	---	1
2	---	---	0B	0 B	0.012	0.288	0	0	0.855	0.212	0.122A	---	2
3	---	---	0B	0 B	0.012	0.304	0	0	0.813	0.248	---	---	3
4	---	---	0B	0.0018	0.007	0.305	0	0.002	0.828	0.318	---	---	4
5	---	---	0B	0.0018	0.008	0.370	0	0.002	0.883	0.381	---	---	5
6	---	---	0B	0.0018	0.008	0.187	0	0	0.700	0.318	---	---	6
7	---	---	0B	0.0018	0.008	0.178	0.001	0.002	0.858	0.311	---	---	7
8	---	---	0B	0.0028	0.008	0.048	0.003	0.008	0.874	0.238	---	---	8
9	---	---	0B	0.0038	0.007	0.088	0.008	0.017	0.480	0.215	---	---	9
10	---	---	0B	0.0048	0.008	0.088	0	0.011	0.419	0.303	---	---	10
11	---	---	0B	0.0098	0.008	0.088	0.002	0.011	0.387	0.177	---	---	11
12	---	---	0B	0.8178	0.008	0.188	0.020	0.008	0.308	0.158	---	---	12
13	---	---	0B	3.13 B	0.008	0.104	0	0.008	0.282	0.147	---	---	13
14	---	---	0B	1.83 B	0.004	0.008	0	0.004	0.218	0.148	---	---	14
15	---	---	0B	0.9068	0.008	0	0	0.008	0.180	0.148	---	---	15
16	---	---	0B	0.8748	0.003	0	0.001	0.008	0.183	0.141	---	---	16
17	---	---	0B	0.4808	0.022	0	0	0.032	0.180	0.125	---	---	17
18	---	---	0B	0.3648	0.004	0	0	0.087	0.177	0.120	---	---	18
19	---	---	0C	0.2178	0.004	0	0	0.083	0.177	0.150	---	---	19
20	---	0B	0B	0.163	0.087	0	0	0.203	0.124	0.138	---	---	20
21	---	0B	0B	0.118	0.388	0	0.002	0.028	0.098	0.138	---	---	21
22	---	0B	0B	0.088	0.381	0	0.020	0.014	0.080	0.137	---	---	22
23	---	0B	0B	0.068	0.538	0	0.010	4.43	0.084	0.138	---	---	23
24	---	0B	0B	0.037	0.807	0	0	8.88	0.088	0.120	---	---	24
25	---	0B	0B	0.028	0.830	0	0	3.11	0.088	0.121	---	---	25
26	---	0B	0B	0.018	0.833	0	0.001	2.18	0.088	0.128	---	---	26
27	---	0B	0B	0.011	0.473	0	0.008	1.81	0.088	0.138	---	---	27
28	---	0B	0B	0.020	0.437	0	0.008	1.30	0.088	0.133	---	---	28
29	---		0B	0.033	0.388	0	0.003	0.804	0.076	0.117	---	---	29
30	---		0B	0.011	0.287	0	0	0.898	0.148	0.140	---	---	30
31	---		0B		0.228		0	0.883		0.118		---	31
TOTAL	---	---	0	7.708	4.880	2.387	0.077	30.751	5.814	5.448	---	---	TOTAL
MEAN	---	---	0	0.257	0.181	0.078	0.002	0.888	0.287	0.176	---	---	MEAN
MAX	---	---	0	3.13	0.830	0.308	0.020	8.88	0.700	0.381	---	---	MAX
MIN	---	---	0	0	0.003	0	0	0	0.058	0.117	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.308
MAXIMUM DAILY, 8.88 ON AUG 24
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
9.89 AT 20:00 MST ON AUG 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 33 38 N
LONG 118 55 50 W
DRAINAGE AREA, 152 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	8.85
FEB	---	AUG	1 780
MAR	0	SEP	770
APR	998	OCT	471
MAY	431	NOV	---
JUN	204	DEC	---

TOTAL DISCHARGE, 4 340 dam³

GREASEWOOD RESERVOIR NEAR ELKWATER - STATION NO. 11AB092

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	28.811	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	28.188	---	---	3
4	---	---	---	---	29.818	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	28.188	---	---	5
6	---	---	28.410	28.370	29.820E	28.985E	28.868	28.775E	28.281	28.185E	---	---	6
7	---	---	---	---	---	28.834	---	---	28.289	---	---	---	7
8	---	---	---	---	---	---	---	28.745	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	28.245E	28.250E	29.770E	28.993E	28.810E	28.630E	28.225E	28.185E	---	---	16
17	---	---	28.236	---	29.768	---	---	28.398	---	28.188	---	---	17
18	---	---	---	28.370	---	---	28.887	---	---	---	---	---	18
19	---	---	---	---	---	28.883	---	---	28.205	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	28.240	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	28.265E	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	28.780	---	---	---	---	---	---	---	---	25
26	---	---	---	Is.788E	---	30.000E	---	---	28.180E	---	---	---	26
27	---	---	27.280E	---	29.730E	---	28.840E	28.328E	---	28.175E	---	---	27
28	---	28.320E	---	---	---	30.024	---	---	---	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	28.805E	---	30.010E	---	---	28.185E	---	---	---	30
31	---		27.710E		29.830E		28.820E	28.310E		28.180		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 30.024 ON JUN 28
MINIMUM DAILY, 28.236 ON MAR 17

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 28 54 N
LONG 110 23 58 W

E - ESTIMATED

REGULATED

DRAINAGE AREA, 8.32 km²

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

CREGG RIVER NEAR THE MOUTH - STATION NO. 07AF018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.3208	0.3288	8.28	8.12	4.88	2.80	10.7	5.87	2.368	---	1
2	---	---	0.3108	0.3318	8.32	8.08	4.28	8.01	8.87	5.88	---	---	2
3	---	---	0.3088	0.3368	8.88	7.28	4.07	11.2	8.85	5.21	---	---	3
4	---	---	0.3008	0.3408	7.18	7.14	3.85	10.6	8.08	4.88	---	---	4
5	---	---	0.3008	0.3468	7.74	7.47	4.05	8.75	7.83	4.88	---	---	5
6	---	---	0.3028	0.3518	8.62	7.38	3.82	7.48	7.88	4.79	---	---	6
7	---	---	0.3048	0.3858	8.53	6.88	3.55	8.43	8.46	4.47	---	---	7
8	---	---	0.3088	0.3108	8.80	8.27	5.78	5.78	10.0	4.18	---	---	8
9	---	---	0.3088	0.3868	8.48	8.14	8.81	5.29	9.20	4.08	---	---	9
10	---	---	0.3088	0.3788	8.80	11.2	20.8	4.82	8.28	4.37	---	---	10
11	---	---	0.3028	0.3808	8.58	11.7	25.8	4.41	7.48	4.80	---	---	11
12	---	---	0.2888	0.4028	7.28	8.72	21.8	4.18	8.87	4.24	---	---	12
13	---	---	0.2848	0.4228	8.21	8.54	17.3	4.82	8.58	4.01	---	---	13
14	---	---	0.2828	0.4408	8.75	7.72	17.8	4.43	8.18	3.80	---	---	14
15	---	---	0.2808	0.4858	8.80	8.88	14.3	8.25	8.88	3.85	---	---	15
16	---	---	0.2808	0.5008	8.81	8.42	12.2	18.7	8.78	3.308	---	---	16
17	---	---	0.2888	0.5258	8.32	8.78	11.4	71.0	7.84	3.238	---	---	17
18	---	---	0.2888	0.5408	8.48	8.20	9.20	88.2	7.31	3.30	---	---	18
19	---	---	0.2888	0.6408	8.88	4.62	7.88	48.5	7.13	3.30	---	---	19
20	---	---	0.2808	0.7008	8.50	4.48	7.20	33.8	8.02	3.20	---	---	20
21	---	---	0.2888	0.8008	8.88	4.08	8.88	25.4	8.18	3.22	---	---	21
22	---	---	0.2888	1.02 B	8.48	3.98	8.97	19.9	8.18	3.21	---	---	22
23	---	---	0.3028	1.18 E	8.08	4.40	8.33	15.1	8.17	3.18	---	---	23
24	---	---	0.3088	1.38 E	8.07	4.47	8.23	12.4	7.85	3.08	---	---	24
25	---	---	0.3188	1.87 E	8.44	4.33	4.72	10.8	7.83	3.07	---	---	25
26	---	---	0.3268	2.13 A	8.12	4.07	4.31	11.2	7.13	2.88	---	---	26
27	---	---	0.3278	2.22	8.34	8.82	3.82	10.8	8.84	2.85	---	---	27
28	---	0.3418	0.3248	3.28	8.28	8.87	3.87	10.1	8.26	2.888	---	---	28
29	---		0.3278	4.83	8.33	8.81	3.47	10.8	8.98	2.882	---	---	29
30	---		0.3278	8.84	8.42	8.03	3.28	11.3	8.23	2.848	---	---	30
31	---		0.3288		8.32		3.08	11.8		2.178		---	31
TOTAL	---	---	9.487	32.838	197.88	195.18	258.88	467.88	231.70	118.87	---	---	TOTAL
MEAN	---	---	0.306	1.09	8.37	8.51	8.35	15.1	7.72	3.78	---	---	MEAN
MAX	---	---	0.328	8.84	8.80	11.7	25.8	71.0	10.7	8.87	---	---	MAX
MIN	---	---	0.288	0.329	8.08	3.88	3.08	2.80	8.88	2.17	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.18
MAXIMUM DAILY, 71.0 ON AUG 17
MINIMUM DAILY, 0.2888 ON MAR 18
MAXIMUM INSTANTANEOUS,
74.8 AT 01:15 MST ON AUG 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 18 07 N
LONG 117 21 23 W
DRAINAGE AREA, 384 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	22 400
FEB	---	AUG	40 400
MAR	818	SEP	20 000
APR	2 830	OCT	10 100
MAY	17 100	NOV	---
JUN	16 900	DEC	---

TOTAL DISCHARGE, 131 000 dam³

GREGOIRE LAKE NEAR FORT MCMURRAY - STATION NO. 07CE001

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	475.262E	475.254	475.268	475.805	475.578	475.488	475.377	475.408	---	---	1
2	---	---	475.262E	475.252	475.276	475.801	475.606	475.488	475.374	475.405	---	---	2
3	---	---	475.262E	475.251	475.287	475.897	475.624	475.488	475.378	475.409	---	---	3
4	---	---	475.262E	475.252	475.284	475.881	475.638	475.481	475.376	475.424	---	---	4
5	---	---	475.262A	475.251	475.288	475.883	475.640	475.478	475.370	475.422	---	---	5
6	---	---	475.260	475.253	475.310	475.588	475.644	475.488	475.388	475.413	---	---	6
7	---	---	475.258	475.254	475.328	475.588	475.644	475.485	475.384	475.412	---	---	7
8	---	---	475.256	475.255	475.334	475.583	475.637	475.480	475.380	475.428	---	---	8
9	---	---	475.255	475.252	475.340	475.583	475.632	475.450	475.387	475.414	---	---	9
10	---	---	475.258	475.247	475.350	475.584	475.626	475.448	475.382	475.422	---	---	10
11	---	---	475.259	475.248	475.387	475.583	475.617	475.444	475.344	475.419	---	---	11
12	---	---	475.258	475.248	475.381	475.578	475.605	475.440	475.342	475.415	---	---	12
13	---	---	475.258	475.248	475.388	475.588	475.600	475.433	475.340	475.418	---	---	13
14	---	---	475.257	475.249	475.395	475.581	475.592	475.428	475.347	475.412	---	---	14
15	---	---	475.256	475.252	475.402	475.582	475.583	475.419	475.363	475.418	---	---	15
16	---	---	475.252	475.252	475.407	475.557	475.574	475.418	475.388	475.414	---	---	16
17	---	---	475.250	475.249	475.418	475.558	475.585	475.415	475.388	475.408	---	---	17
18	---	---	475.249	475.247	475.432	475.555	475.560	475.407	475.358	475.408	---	---	18
19	---	---	475.247	475.245	475.449	475.559	475.552	475.401	475.362	475.412	---	---	19
20	---	---	475.245	475.247	475.481	475.570	475.547	475.394	475.356	475.408	---	---	20
21	---	---	475.243	475.248	475.529	475.573	475.548	475.383	475.386	475.409	---	---	21
22	---	---	475.244	475.247	475.583	475.581	475.538	475.401	475.351	475.411	---	---	22
23	---	---	475.243	475.247	475.590	475.578	475.527	475.402	475.380	475.408	---	---	23
24	---	---	475.242	475.246	475.604	475.577	475.526	475.387	475.384	475.410	---	---	24
25	---	---	475.245	475.244	475.609	475.574	475.530	475.389	475.383	475.413	---	---	25
26	---	---	475.246	475.245	475.618	475.571	475.523	475.389	475.388	475.407	---	---	26
27	---	---	475.245	475.245	475.620	475.588	475.514	475.387	475.386	475.407	---	---	27
28	---	---	475.249	475.249	475.614	475.587	475.511	475.388	475.358	475.417	---	---	28
29	---	---	475.248	475.250	475.615	475.582	475.508	475.384	475.381	475.404A	---	---	29
30	---	---	475.250	475.259	475.611	475.581	475.500	475.384	475.382	475.404E	---	---	30
31	---	---	475.252		475.607		475.497	475.380		475.404E		---	31
MEAN	---	---	475.251	475.248	475.445	475.575	475.574	475.427	475.383	475.412	---	---	MEAN
MAX	---	---	475.280	475.259	475.620	475.605	475.644	475.488	475.394	475.428	---	---	MAX
MIN	---	---	475.242	475.244	475.268	475.555	475.497	475.380	475.340	475.404	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 475.644 ON JUL 5

MAXIMUM INSTANTANEOUS, 475.648 AT 20:37 MST ON JUL 5

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 28 30 N
LONG 111 05 10 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1978

DRAINAGE AREA, 283 km²

SADAY CREEK NEAR WHITECOURT - STATION NO. 07AG008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0108	0.2008	1.53 B	1.25	5.84	0.383	1.31	0.391	0.525	---	1
2	---	---	0.0108	0.2008	1.56 B	1.13	5.58	31.7 E	1.48	0.386	0.550	---	2
3	---	---	0.0108	0.2008	1.63 B	0.975	5.80	38.6	1.38	0.386	0.571A	---	3
4	---	---	0.0115	0.2008	1.73 B	0.887	3.83	18.4	1.24	0.389	---	---	4
5	---	---	0.0125	0.2008	1.82 B	0.773	3.00	8.26	1.61	0.391	---	---	5
6	---	---	0.0125	0.2108	1.80 B	0.723	2.57	5.47	1.33	0.387	---	---	6
7	---	---	0.0138	0.2208	1.93 B	0.887	2.23	4.33	1.19	0.395	---	---	7
8	---	---	0.0138	0.2308	1.71 B	0.814	5.36	5.22	1.11	0.393	---	---	8
9	---	---	0.0128	0.2508	1.73 B	4.43	10.3	4.33	1.08	0.395	---	---	9
10	---	---	0.0128	0.2808	1.58	13.8	4.11	4.78	0.991	0.399	---	---	10
11	---	---	0.0128	0.2808	1.36	4.40	2.87	4.41	0.918	0.401	---	---	11
12	---	---	0.0128	0.2908	1.12	2.70	1.88	4.40 A	0.858	0.398	---	---	12
13	---	---	0.0128	0.3068	0.851	1.80	1.47	4.30 E	0.784	0.383	---	---	13
14	---	---	0.0128	0.3408	0.824	1.48	1.20	4.20 E	0.745	0.389	---	---	14
15	---	---	0.0128	0.3708	0.780	1.78	1.03	4.10 E	0.889	0.403	---	---	15
16	---	---	0.0128	0.4408	0.782	1.48	1.08	4.10 E	0.720	0.333	---	---	16
17	---	---	0.0128	0.5408	0.880	1.16	1.31	32.0 E	0.718	0.426	---	---	17
18	---	---	0.0128	0.5808	0.824	0.900	1.17	14.8	0.889	0.440	---	---	18
19	---	---	0.0128	0.6008	10.2	0.788	0.847	3.24	0.838	0.440	---	---	19
20	---	---	0.0128	0.8008	32.1	0.724	0.748	2.21	0.818	0.424	---	---	20
21	---	---	0.0128	1.03 B	11.4	0.711	2.50	3.40	0.580	0.438	---	---	21
22	---	0.0108	0.0128	1.18 B	5.99	0.884	1.29	2.77 A	0.535	0.426	---	---	22
23	---	0.0108	0.0148	1.30 B	4.28	0.801	0.815	2.70 A	0.510	0.408	---	---	23
24	---	0.0108	0.0168	1.40 B	3.95	0.572	3.98	2.37	0.487	0.438	---	---	24
25	---	0.0108	0.0288	1.50 B	3.44	0.817	3.88	3.07	0.484	0.484	---	---	25
26	---	0.0108	0.0408	1.81 B	3.01	0.845	2.61	1.83	0.434	0.487	---	---	26
27	---	0.0108	0.0508	1.58 B	2.49	23.0	1.79	1.58	0.402	0.483	---	---	27
28	---	0.0108	0.1208	1.64 B	2.02	10.0	1.80	1.68	0.378	0.407	---	---	28
29	---	---	0.1808	1.53 B	1.74	8.35	1.82	1.59	0.404	0.455	---	---	29
30	---	---	0.2108	1.52 B	1.60	8.88	0.970	1.53	0.420	0.484	---	---	30
31	---	---	0.2008		1.37		0.683	1.41		0.418		---	31
TOTAL	---	---	1.133	21.288	107.841	92.584	84.880	218.593	24.906	13.787	---	---	TOTAL
MEAN	---	---	0.036	0.710	3.47	3.09	2.74	8.89	0.830	0.413	---	---	MEAN
MAX	---	---	0.210	1.81	32.1	23.0	10.3	38.6	1.81	0.484	---	---	MAX
MIN	---	---	0.010	0.200	0.880	0.572	0.683	0.383	0.378	0.333	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.39
MAXIMUM DAILY, 38.6 ON AUG 3
MINIMUM DAILY, 0.0108 ON MAR 1
MAXIMUM INSTANTANEOUS, 128E AT 17:55 MST ON AUG 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 01 57 N
LONG 116 50 30 W

DRAINAGE AREA, 134 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	7 330
FEB	---	AUG	18 700
MAR	97.0	SEP	2 130
APR	1 840	OCT	1 170
MAY	9 300	NOV	---
JUN	8 000	DEC	---

TOTAL DISCHARGE, 48 800 dam³

REMARKS - THE PEAKN FLOWS IN AUGUST WERE NOT METERED. THE PUBLISHED FLOWS WERE ESTIMATED

GROS VENTRE CREEK NEAR DUNMORE - STATION NO. 05AH037

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR		APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	08	0	B	0.132	0.024	0.140	0	0	0	0	0	---	1
2	---	08	0	B	0.101	0.021	0.089	0	0	3	0	0	---	2
3	---	08	0	B	0.080	0.015	0.067	0	0	0	0	0	---	3
4	---	08	0	B	0.064	0.013	0.049	0	0	0	0	0	---	4
5	---	08	0	B	0.047	0.012	0.033	0	0	0	0	0	---	5
6	---	08	0	B	0.051	0.023	0.021	0	0	0	0	0	---	6
7	---	08	0	B	0.057	0.030	0.014	0	0	0	0	0	---	7
8	---	08	0	B	0.053	0.033	0.009	0	0	0	0	0A	---	8
9	---	08	0	B	0.044	0.031	0.007	0	0	0	0	---	---	9
10	---	08	0	B	0.038	0.028	0.007	0	0	0	0	---	---	10
11	---	08	0	B	0.047	0.018	0.008	0	0	0	0	---	---	11
12	---	08	0	B	0.051	0.013	0.006	0	0	0	0	---	---	12
13	---	08	0	B	0.033	0.010	0.003	0	0	0	0	---	---	13
14	---	08	0	B	0.022	0.009	0.002	0	0	0	0	---	---	14
15	---	08	0	B	0.021	0.008	0.008	0	0	0	0	---	---	15
16	---	08	0	B	0.017	0.009	0.009	0	0	0	0	---	---	16
17	---	08	0	B	0.019	0.007	0.006	0	0	0	0	---	---	17
18	---	08	0	B	0.025	0.006	0.004	0	0	0	0	---	---	18
19	---	08	0	B	0.031	0.007	0.002	0	0	0	0	---	---	19
20	---	08	0	B	0.037	0.007	0.002	0	0	0	0	---	---	20
21	---	08	0	B	0.044	0.008	0.002	0	0	0	0	---	---	21
22	---	08	0	B	0.053	0.006	0.002	0	0	0	0	---	---	22
23	---	08	0	B	0.061	0.007	0.002	0	0	0	0	---	---	23
24	---	08	0	B	0.057	0.010	0.002	0	0	0	0	---	---	24
25	---	08	0	B	0.048	0.011	0.002	0	0	0	0	---	---	25
26	---	08	0.098		0.037	0.008	0.001	0	0	0	0	---	---	26
27	---	08	0.114		0.032	0.007	0.001	0	0	0	0	---	---	27
28	---	08	0.380		0.028	0.010	0.001	0	0	0	0	---	---	28
29	---		0.488		0.028	0.041	0	0	0	0	0	---	---	29
30	---		0.286		0.026	0.228	0	0	0	0	0	---	---	30
31	08		0.176			0.280		0	0		0		---	31
TOTAL	---	0	1.530		1.384	0.835	0.498	0	0	0	0	---	---	TOTAL
MEAN	---	0	0.050		0.048	0.030	0.017	0	0	0	0	---	---	MEAN
MAX	---	0	0.488		0.132	0.280	0.140	0	0	0	0	---	---	MAX
MIN	---	0	0		0.017	0.006	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS FEB TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.018
MAXIMUM DAILY, 0.488 ON MAR 29
MINIMUM DAILY, 08 ON FEB 1
MAXIMUM INSTANTANEOUS,
0.865 AT 19:05 MST ON MAR 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 20 N
LONG 110 30 20 W
DRAINAGE AREA, 215 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	0	AUG	0
MAR	133	SEP	0
APR	120	OCT	0
MAY	80.8	NOV	---
JUN	42.8	DEC	---

TOTAL DISCHARGE, 377 dam³

GULL LAKE AT ASPEN BEACH - STATION NO. 05CC008

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	888.881	888.858	---	---	888.813	---	888.884	---	1
2	---	---	---	---	---	---	888.868	---	888.813	---	---	---	2
3	---	---	---	---	---	---	---	---	888.813	---	---	---	3
4	---	---	---	---	888.888	888.868	---	---	888.813	---	---	---	4
5	---	---	---	---	---	---	888.828	---	888.813	---	---	---	5
6	---	---	---	---	---	---	888.828	---	---	---	---	---	6
7	---	---	---	---	---	888.868	888.818	---	888.812	---	---	---	7
8	---	---	---	---	888.803	888.858	---	---	888.812	---	---	---	8
9	---	---	---	---	---	---	888.818	---	888.812	---	---	---	9
10	---	---	---	888.803	---	888.868	888.818	---	888.882	888.882	---	---	10
11	---	---	---	---	888.803	888.868	888.818	888.814	---	---	---	---	11
12	---	---	---	---	888.808	---	888.818	888.814	---	888.884	---	---	12
13	---	---	---	---	888.818	---	888.820	888.804	---	---	---	---	13
14	---	---	---	---	888.818	888.861	888.818	888.814	888.880	---	---	---	14
15	---	---	---	---	---	888.868	888.818	888.814	888.882	---	---	---	15
16	---	---	---	---	---	---	888.828	888.814	---	---	---	---	16
17	---	---	---	---	888.813	888.868	---	---	888.882	---	---	---	17
18	---	---	---	---	888.818	888.868	---	888.814	---	888.882	---	---	18
19	---	---	---	---	---	---	888.828	888.824	---	---	---	---	19
20	---	---	---	---	---	---	888.818	888.824	---	---	---	---	20
21	---	---	---	888.883	888.848	888.878	888.818	888.824	888.882	---	---	---	21
22	---	---	888.780	---	---	---	888.818	888.824	888.882	---	---	---	22
23	---	888.771	---	---	---	888.878	888.818	---	888.882	---	---	---	23
24	---	---	---	888.888	888.888	888.878	888.808	---	888.882	---	---	---	24
25	---	---	---	888.878	---	888.878	888.888	888.813	888.882	---	---	---	25
26	---	---	---	888.878	---	---	---	---	---	---	---	---	26
27	---	---	---	888.878	888.888	---	---	888.823	---	888.882	---	---	27
28	---	---	---	888.878	888.888	888.878	---	888.823	888.882	---	---	---	28
29	---		---	---	888.848	888.873	888.888	888.813	888.882	---	---	---	29
30	---		---	---	888.848	888.873	888.818	888.813	---	---	---	---	30
31	---		---		---		888.888	888.813		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 27 28 N
LONG 113 58 03 W

NATURAL FLOW

DRAINAGE AREA,
269 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

HAMMER HILL SPILLWAY NEAR GLEICHEN - STATION NO. 05BM005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.145	0.234	0.150	0.017	0.017	0.057	0.0708	0.0988	1
2	---	---	---	---	0.193	0.238	0.131	0.020	0.013	0.032	0.039	0.0988	2
3	---	---	---	---	0.157	0.242	0.110	0.028	0.084	0.026	0.038	0.0978	3
4	---	---	---	---	0.142	0.245	0.112	0.018	0.033	0.032	0.047	0.0978	4
5	---	---	---	---	0.118	0.231	0.092	0.017	0.055	0.037	0.050	0.0988	5
6	---	---	---	---	0.120	0.220	0.078	0.018	0.093	0.034	0.068	0.0988	6
7	---	---	---	---	0.118	0.208	0.088	0.012	0.102	0.038	0.072	0.0988	7
8	---	---	---	---	0.091	0.181	0.058	0.004	0.124	0.037	0.092	0.0988	8
9	---	---	---	---	0.083	0.212	0.058	0.007	0.128	0.031	0.084	0.0948	9
10	---	---	---	---	0.081	0.231	0.114	0.014	0.128	0.084	0.040	0.0928	10
11	---	---	---	---	0.070	0.248	0.178	0.008	0.121	0.044	0.041	0.0908	11
12	---	---	---	---	0.097	0.224	0.112	0.004	0.124	0.033	0.042	0.0908	12
13	---	---	---	---	0.088	0.172	0.087	0.002	0.118	0.028	0.0808	0.0908	13
14	---	---	---	---	0.088	0.180	0.100	0.002	0.118	0.088	0.0808	0.0908	14
15	---	---	---	---	0.078	0.201	0.095	0.001	0.118	0.043	0.0708	0.0908	15
16	---	---	---	---	0.084	0.212	0.085	0.001	0.115	0.021	0.0808	0.0888	16
17	---	---	---	---	0.102	0.226	0.088	0.004	0.113	0.010	0.0808	0.0808	17
18	---	---	---	---	0.134	0.217	0.080	0.003	0.118	0.028	0.1008	0.0758	18
19	---	---	---	0.170A	0.418	0.283	0.051	0	0.128	0.083	0.1078	0.0708	19
20	---	---	---	0.174	0.134	0.274	0.028	0.008	0.130	0.088	0.1038	0.0888	20
21	---	---	---	0.181	0.098	0.287	0.088	0.001	0.137	0.044	0.0978	0.0808	21
22	---	---	---	0.138	0.081	0.210	0.070	0	0.081	0.037	0.0958	0.0888	22
23	---	---	---	0.118	0.088	0.208	0.088	0	0.080	0.042	0.0938	0.0808	23
24	---	---	---	0.184	0.182	0.184	0.073	0	0.085	0.088	0.0888	0.0808	24
25	---	---	---	0.187	0.219	0.180	0.078	0.001	0.078	0.038A	0.1028	0.0808	25
26	---	---	---	0.181	0.188	0.183	0.037	0.007	0.071	0.010E	0.1008	0.0808	26
27	---	---	---	0.207	0.188	0.187	0.018	0.018	0.087	0.008A	0.1008	0.0808	27
28	---	---	---	0.201	0.188	0.172	0.018	0.027	0.088	0.048	0.0978	0.0808	28
29	---		---	0.183	0.213	0.181	0.018	0.020	0.082	0.088	0.0888	0.0488	29
30	---		---	0.188	0.221	0.180	0.018	0.014	0.087	0.048A	0.1008	0.0488	30
31	---		---		0.228		0.013	0.028		0.080		0.0448	31
TOTAL	---	---	---	---	4.358	6.338	2.362	0.289	2.771	1.233	2.201	2.338	TOTAL
MEAN	---	---	---	---	0.140	0.211	0.078	0.010	0.092	0.040	0.077	0.078	MEAN
MAX	---	---	---	---	0.418	0.274	0.178	0.029	0.137	0.084	0.107	0.098	MAX
MIN	---	---	---	---	0.081	0.180	0.013	0	0.013	0.008	0.039	0.044	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.094
MAXIMUM DAILY, 0.418 ON MAY 19
MINIMUM DAILY, 0 ON AUG 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 51 20 N
LONG 113 08 00 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	204
FEB	---	AUG	25.8
MAR	---	SEP	238
APR	---	OCT	107
MAY	378	NOV	189
JUN	547	DEC	202

TOTAL DISCHARGE, 1 800 dam³

HANGINGSTONE RIVER AT FORT MCMURRAY - STATION NO. 07CD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0188	0.9158	9.48	11.1	11.0	2.55E	1.28	8.03	---	---	1
2	---	---	0.0208	0.8118	9.33A	10.8	28.5 A	2.30E	1.20	8.82	---	---	2
3	---	---	0.0208	0.7448	9.72A	9.89	41.2 E	2.10E	1.15	7.80	---	---	3
4	---	---	0.0188	0.7408	9.10	8.81	34.0 E	2.00E	1.13	7.20	---	---	4
5	---	---	0.0188	0.7288	8.38	8.81	30.0 E	1.90E	1.09	8.84	---	---	5
6	---	---	0.0188	0.7508	8.08	12.0	28.5 E	1.80E	1.07	8.03	---	---	6
7	---	---	0.0188	0.7008	8.03	16.3 A	23.5 E	1.73E	1.08	5.88	---	---	7
8	---	---	0.0888	0.6808	7.28	15.7 A	21.0 E	1.67E	1.06	5.32	---	---	8
9	---	---	0.0208	0.6508	6.89	15.8 A	18.8 E	1.80E	1.14	5.07	---	---	9
10	---	---	0.0128	0.8908	8.34	15.7 A	17.0 E	1.55E	1.16	4.81	---	---	10
11	---	---	0.0108	0.7008	8.38	14.7	15.0 E	1.48E	1.15	4.62	---	---	11
12	---	---	0.0108	0.6898	8.97	12.3	13.3 E	1.40E	1.11	4.38	---	---	12
13	---	---	0.0098	0.6628	8.80	10.3	11.5 E	1.43E	1.08	4.20	---	---	13
14	---	---	0.0148	0.6688	8.28	8.84	10.0 E	1.30E	1.08	4.08	---	---	14
15	---	---	0.0188	0.4708	8.02	7.34	8.80E	1.37E	1.13	3.88	---	---	15
16	---	---	0.0308	0.4208	4.83	8.81	7.80E	1.23E	1.87	3.88	---	---	16
17	---	---	0.0458	0.4608	4.72	7.41	6.70E	1.18E	1.88	3.82	---	---	17
18	---	---	0.0598	0.5008	5.18	13.4	8.00E	1.15E	2.20	3.87	---	---	18
19	---	---	0.0308	0.5808	8.78	16.1 A	5.70E	1.10E	2.28	3.87	---	---	19
20	---	---	0.0658	0.8678	27.2	15.9 A	5.00E	1.08E	2.18	3.52	---	---	20
21	---	---	0.1058	1.10 B	86.8	30.8	5.38E	1.08E	2.22	3.48	---	---	21
22	---	---	0.1138	0.9708	89.6	33.0	5.35E	1.02E	2.22	3.34	---	---	22
23	---	---	0.0278	0.8008	50.0	28.3	4.60E	1.08E	2.28	3.15	---	---	23
24	---	---	0.0288	0.8308	38.3	20.5	4.00E	1.17E	2.35	3.06	---	---	24
25	---	---	0.0258	0.7208	30.4	17.7	3.68E	1.30A	2.18	3.008	---	---	25
26	---	---	0.0428	0.7808	24.3	15.1	3.88E	1.33	2.07	2.988	---	---	26
27	---	---	0.0508	0.8308	21.0	13.7	4.83E	1.41	2.00	2.848	---	---	27
28	---	---	0.1408	1.00 B	18.2	10.8	3.80E	1.42	1.88	2.508	---	---	28
29	---		0.3208	2.50 B	15.8	9.30	3.60E	1.38	1.88	2.288	---	---	29
30	---		0.5008	8.00 B	13.8	8.78	3.20E	1.33	3.61	2.088	---	---	30
31	---		0.8848		12.0		2.82E	1.30		1.788		---	31
TOTAL	---	---	3.868	28.871	501.03	435.88	381.35	45.88	49.88	138.44	---	---	TOTAL
MEAN	---	---	0.083	0.958	16.2	14.2	12.8	1.47	1.88	4.37	---	---	MEAN
MAX	---	---	0.884	8.00	89.6	33.0	41.2	2.55	3.61	8.82	---	---	MAX
MIN	---	---	0.008	0.430	4.83	8.81	2.82	1.02	1.08	1.78	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.48
MAXIMUM DAILY, 89.6 ON MAY 22
MINIMUM DAILY, 0.0088 ON MAR 13
MAXIMUM INSTANTANEOUS,
90.8 AT 08:15 MST ON MAY 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 42 18 N
LONG 111 21 20 W
DRAINAGE AREA, 989 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	33 800
FEB	---	AUG	3 950
MAR	250	SEP	4 290
APR	2 480	OCT	11 700
MAY	43 300	NOV	---
JUN	36 800	DEC	---

TOTAL DISCHARGE, 137 000 dam³

HARTLEY CREEK NEAR FORT MACKAY - STATION NO. 07DA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0388	0.0488	8.53	8.88	2.54	4.88	1.08	1.45	---	---	1
2	---	---	0.0488	0.0408	7.28	8.34	4.14	4.80	1.03	1.85	---	---	2
3	---	---	0.0528	0.0408	8.13	8.71	8.28	4.58	1.02	1.75	---	---	3
4	---	---	0.0428	0.0388	8.88	8.18	8.20	4.38	1.08	1.78	---	---	4
5	---	---	0.0388	0.0408	8.03	4.78	7.12	4.01	1.08	1.71	---	---	5
6	---	---	0.0388	0.0428	8.88	4.88	7.83	3.81	1.08	1.88	---	---	6
7	---	---	0.0388	0.0428	8.78	8.88	7.53	3.17	1.18	1.82	---	---	7
8	---	---	0.0428	0.0418	8.87	8.44	7.28	2.75	1.28	1.88	---	---	8
9	---	---	0.0418	0.0418	8.88	8.87	8.78	2.38	1.30	1.88	---	---	9
10	---	---	0.0408	0.0428	8.31	8.83	8.88	2.08	1.33	1.88	---	---	10
11	---	---	0.0308	0.0888	7.98	8.02	8.14	1.78	1.28	1.88	---	---	11
12	---	---	0.0308	0.0508	7.80	8.58	4.84	1.48	1.27	1.48	---	---	12
13	---	---	0.0388	0.0528	7.84	8.01	4.03	1.24	1.28	1.42	---	---	13
14	---	---	0.0228	0.0458	8.05	4.48	3.83	1.05	1.24	1.38	---	---	14
15	---	---	0.0308	0.0308	7.87	4.05	3.04	0.883	1.25	1.38	---	---	15
16	---	---	0.0308	0.0308	7.70	3.88	2.84	0.738	1.23	1.38	---	---	16
17	---	---	0.0308	0.0308	7.34	3.30	2.21	0.792	1.42	1.37	---	---	17
18	---	---	0.0308	0.0388	7.13	3.03	1.80	0.840	1.48	1.38	---	---	18
19	---	---	0.0308	0.0868	7.28	2.80	1.41	0.864	1.61	1.38	---	---	19
20	---	---	0.0308	0.0428	8.13	2.84	1.08	0.942	1.48	1.37	---	---	20
21	---	---	0.0328	0.0808	12.7	3.38	1.28	0.882	1.42	1.38	---	---	21
22	---	---	0.0388	0.0568	15.3	3.48	1.43	0.953	1.39	1.40	---	---	22
23	---	---	0.0428	0.0528	16.4	3.33	2.88	1.28	1.38	1.48	---	---	23
24	---	---	0.0388	0.2508	18.5	3.28	3.07	1.24	1.35	1.48	---	---	24
25	---	---	0.0328	0.8008	18.0	3.23	4.42	1.23	1.33	1.48A	---	---	25
26	---	---	0.0308	1.00 B	15.1	3.11	5.47	1.14	1.29	1.48E	---	---	26
27	---	---	0.0308	1.70 B	13.7	2.86	5.37	1.15	1.23	1.44E	---	---	27
28	---	---	0.0308	2.80 B	12.0	2.80	4.85	1.17	1.18	1.40E	---	---	28
29	---		0.0388	4.80 B	10.1	2.88	4.40	1.18	1.09	1.34B	---	---	29
30	---		0.0408	5.70 B	8.81	2.81	3.82	1.14	1.17	1.29B	---	---	30
31	---		0.0508		7.73		4.11	1.13		1.22B	---	---	31
TOTAL	---	---	1.118	17.878	305.75	130.33	131.38	59.805	37.62	45.73	---	---	TOTAL
MEAN	---	---	0.038	0.589	9.86	4.34	4.24	1.92	1.25	1.47	---	---	MEAN
MAX	---	---	0.052	5.70	18.5	8.88	7.83	4.88	1.51	1.78	---	---	MAX
MIN	---	---	0.030	0.030	8.53	2.81	1.08	0.738	1.02	1.22	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.88
MAXIMUM DAILY, 18.5 ON MAY 24
MINIMUM DAILY, 0.0308 ON MAR 11
MAXIMUM INSTANTANEOUS,
18.7 AT 10:59 MST ON MAY 23

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 15 34 N
LONG 111 27 53 W
DRAINAGE AREA, 358 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	11 300
FEB	---	AUG	5 150
MAR	68.3	SEP	3 250
APR	1 530	OCT	3 850
MAY	28 400	NOV	---
JUN	11 300	DEC	---

TOTAL DISCHARGE, 83 000 dam³

HASTINGS LAKE NEAR DEVILLE - STATION NO. 06EB011

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	738.225	738.248	738.284	738.287	738.282	738.213	---	---	1
2	---	---	---	---	738.228	738.248	738.280	738.281	738.288	738.211	738.178	---	2
3	---	---	---	---	738.235	738.280	738.280	738.277	738.288	738.207	---	---	3
4	---	---	---	---	738.235	738.248	738.247	738.278	738.288	738.203	---	---	4
5	---	---	---	---	738.229	738.244	738.249	738.273	738.288	738.201	---	---	5
6	---	---	---	---	738.227	738.244	738.248	738.289	738.288	738.199	---	---	6
7	---	---	---	---	738.226	738.242	738.241	738.287	738.284	738.197	---	---	7
8	---	---	---	---	738.225	738.238	738.289	738.288	738.280	738.195	---	---	8
9	---	---	738.181	---	738.223	738.242	738.273	738.282	738.280	738.198	---	---	9
10	---	---	---	---	738.223	738.252	738.281	738.280	738.284	738.193	---	---	10
11	---	---	---	738.182	738.221	738.284	738.283	738.288	738.282	738.197	---	---	11
12	---	---	---	---	738.228	738.284	738.284	738.284	738.248	738.188	---	---	12
13	---	---	---	---	738.223	738.280	738.298	738.280	738.248	738.188	---	---	13
14	---	---	---	---	738.219	738.248	738.281	738.248	738.248	738.187	---	---	14
15	---	---	---	---	738.218	738.248	738.288	738.242	738.248	738.188	---	---	15
16	---	---	---	---	738.217	738.248	738.285	738.242	738.243	738.188	---	---	16
17	---	---	---	---	738.227	738.242	738.283	738.248	738.241	738.183	---	---	17
18	---	---	---	---	738.227	738.240	738.286	738.250	738.239	738.181	---	---	18
19	---	---	---	---	738.231	738.234	738.283	738.248	738.237	738.189	---	---	19
20	---	---	---	---	738.243	738.234	738.289	738.248	738.238	738.187	---	---	20
21	---	---	---	---	738.247	738.232	738.288	738.242	738.233	738.187	---	---	21
22	---	---	---	---	738.247	738.228	738.281	738.242	738.231	738.187	---	---	22
23	---	---	---	---	738.248	738.228	738.287	738.238	738.228	738.186	---	---	23
24	---	---	---	---	738.288	738.222	738.283	738.234	738.227	738.186	---	---	24
25	---	---	---	---	738.288	738.238	738.278	738.232	738.223	738.187	---	---	25
26	---	---	---	---	738.288	738.224	738.275	738.228	738.223	738.185	---	---	26
27	---	---	---	---	738.288	738.244	738.271	738.228	738.221	738.183	---	---	27
28	---	---	---	---	738.282	738.248	738.288	738.228	738.221	738.183	---	---	28
29	---		---	---	738.280	738.254	738.281	738.228	738.219	738.183	---	---	29
30	---		---	---	738.248	738.254	738.281	738.238	738.217	738.181	---	---	30
31	---		---		738.244		738.281	738.282		738.181			31
MEAN	---	---	---	---	738.238	738.242	738.278	738.251	738.243	738.193	---	---	MEAN
MAX	---	---	---	---	738.288	738.284	738.288	738.287	738.288	738.213	---	---	MAX
MIN	---	---	---	---	738.217	738.222	738.241	738.228	738.217	738.181	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 738.288 ON JUL 13

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - MANUAL
LOCATION - LAT 83 28 30 N
LONG 112 54 02 W

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

DRAINAGE AREA,
279 km²

MAY RIVER NEAR MEANDER RIVER - STATION NO. 07OB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	2.768	3.278	4308	500	218	148	121	88.2	---	---	1
2	---	---	2.808	3.268	4848	483	212	145	122	88.6	---	---	2
3	---	---	3.038	3.408	543	482	208	145	121	88.8	---	---	3
4	---	---	3.188	3.358	588	440	204	142	118	87.8	---	---	4
5	---	---	3.138	3.338	618	420	202	140	118	88.7	---	---	5
6	---	---	3.108	3.388	631	407	201	138	113	88.8	---	---	6
7	---	---	3.078	3.488	630	387	198	135	111	87.2	---	---	7
8	---	---	3.088	3.878	618	386	196	133	109	84.9	---	---	8
9	---	---	3.188	4.088	595	373	192	131	108	100	---	---	9
10	---	---	3.288	4.338	583	358	188	130	108	101	---	---	10
11	---	---	3.328	4.488	534	341	185	128	103	98.5	---	---	11
12	---	---	3.308	4.548	508	327	182	128	102	95.2	---	---	12
13	---	---	3.288	4.608	470	318	180	128	102	91.8	---	---	13
14	---	---	3.328	4.678	437	302	178	128	112	88.8	---	---	14
15	---	---	3.378	4.888	408	293	178	128	118	88.0	---	---	15
16	---	---	3.428	5.088	384	288	180	127	117	82.0	---	---	16
17	---	---	3.488	8.358	365	288	177	128	114	77.3	---	---	17
18	---	---	3.618	8.418	3638	280	175	131	110	74.6	---	---	18
19	---	---	3.888	8.718	3448	272	173	138	107	73.0	---	---	19
20	---	---	3.808	7.038	3338	268	170	140	106	71.6	---	---	20
21	---	---	3.648	8.718	3278	280	168	137	103	88.8	---	---	21
22	---	---	3.558	10.4 B	3258	267	167	133	100	88.8	---	---	22
23	---	---	3.518	13.8 B	3288	253	166	131	88.0	88.4	---	---	23
24	---	---	3.488	16.0 B	3358	248	165	129	87.0	84.4	---	---	24
25	---	---	3.488	20.8 B	3488	242	161	128	88.7	81.8	---	---	25
26	---	---	3.488	22.4 B	3708	237	160	128	84.8	81.1	---	---	26
27	---	---	3.408	24.2 B	4128	230	157	127	83.4	81.1	---	---	27
28	---	2.888	3.288	88.8 B	4758	225	156	126	82.4	48.18	---	---	28
29	---		3.348	132 B	5048	222	153	123	81.2	48.48	---	---	29
30	---		3.318	278 B	5128	219	151	121	80.8	44.58	---	---	30
31	---		3.288		511		148	120		48.48			31
TOTAL	---	---	102.88	878.20	14 272	9 889	5 548	4 088	3 187.8	3 388.8	---	---	TOTAL
MEAN	---	---	3.31	22.8	480	320	178	132	108	77.0	---	---	MEAN
MAX	---	---	3.84	278	631	800	218	148	122	101	---	---	MAX
MIN	---	---	2.76	3.27	328	218	148	120	80.8	44.8	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 183
MAXIMUM DAILY, 631 ON MAY 5
MINIMUM DAILY, 2.788 ON MAR 1
MAXIMUM INSTANTANEOUS,
633 AT 18:00 MST ON MAY 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 08 55 N
LONG 117 38 03 W
DRAINAGE AREA, 38 900 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	478 000
FEB	---	AUG	353 000
MAR	8 880	SEP	275 000
APR	88 700	OCT	208 000
MAY	1 230 000	NOV	---
JUN	828 000	DEC	---

TOTAL DISCHARGE, 3 440 000 dam³

HAYNES CREEK NEAR HAYNES - STATION NO. 05CD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.013	0.208	0	0	0	0	---	---	1
2	---	---	0B	0 B	0.021	0.082	0	0	0.002	0.035	---	---	2
3	---	---	0B	0.0018	0.011	0.017	0	0.008	0.010	0.002	---	---	3
4	---	---	0B	0.0058	0.012	0.001	0	0.028	0.011	0	---	---	4
5	---	---	0B	0.1258	0	0	0	0.024	0.013	0	---	---	5
6	---	---	0B	0.1068	0	0.006	0	0.013	0.010	0	---	---	6
7	---	---	0B	1.38 B	0	0	0	0.018	0.020	0	---	---	7
8	---	---	0B	2.23 B	0	0	0	0.008	0.004	0	---	---	8
9	---	---	0B	2.44 B	0	0.003	0	0.003	0	0	---	---	9
10	---	---	0B	1.49	0	0.006	0	0.008	0	0	---	---	10
11	---	---	0B	1.07	0	0.001	0.001	0.002	0	0	---	---	11
12	---	---	0B	1.17	0.003	0	0.013	0.001	0	0	---	---	12
13	---	---	0B	2.87	0.004	0	0	0	0	0	---	---	13
14	---	---	0B	2.82	0	0	0.084	0	0	0	---	---	14
15	---	---	0B	2.13	0	0	0.058	0	0	0	---	---	15
16	---	---	0B	1.84	0	0.041	0.032	0.004	0	0	---	---	16
17	---	---	0B	1.07	0.008	0.088	0.018	0.018	0	0	---	---	17
18	---	---	0B	0.780	0.010	0.025	0.007	0.031	0	0	---	---	18
19	---	---	0B	0.535	0.048	0	0.008	0.018	0	0	---	---	19
20	---	---	0B	0.381	0.118	0	0.008	0.014	0	0	---	---	20
21	---	---	0B	0.240	0.074	0.002	0.003	0.017	0	0	---	---	21
22	---	0B	0B	0.178	0.082	0.008	0.008	0.070	0	0	---	---	22
23	---	0B	0B	0.143	0.080	0.001	0.003	0.033	0	0	---	---	23
24	---	0B	0B	0.110	0.101	0.001	0	0.048	0	0	---	---	24
25	---	0B	0B	0.083	0.138	0.008	0	0.034	0	0	---	---	25
26	---	0B	0B	0.081	0.107	0	0	0.024	0	0	---	---	26
27	---	0B	0B	0.062	0.088	0	0	0.020	0	0	---	---	27
28	---	0B	0B	0.043	0.030	0	0	0.015	0	0	---	---	28
29	---		0B	0.038	0.038	0	0	0.009	0	0	---	---	29
30	---		0B	0.030	0.028	0	0	0.006	0	0	---	---	30
31	---		0B		0.077		0	0.002		0 A		---	31
TOTAL	---	---	0	33.888	1.022	0.473	0.338	0.471	0.088	0.037	---	---	TOTAL
MEAN	---	---	0	0.788	0.033	0.015	0.008	0.015	0.003	0.001	---	---	MEAN
MAX	---	---	0	2.87	0.138	0.208	0.084	0.070	0.020	0.035	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.102
MAXIMUM DAILY, 2.87 ON APR 13
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.608 AT 07:58 MST ON APR 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 19 55 N
LONG 113 31 40 W
DRAINAGE AREA, 198 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	20.8
FEB	---	AUG	40.7
MAR	0	SEP	5.88
APR	880	OCT	3.20
MAY	88.3	NOV	---
JUN	40.8	DEC	---

TOTAL DISCHARGE, 3 180 dam³

HEART RIVER NEAR NAMPA - STATION NO. 07NA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.1488	0.0838	0.1278	0.1868	3.82	5.84	0.588	0.218	7.31	8.23	2.54	0.7288	1
2	0.1448	0.0798	0.1268	0.1878	3.78	4.85	0.620	0.208	6.56	9.81	2.51	0.6468	2
3	0.1348	0.0728	0.1298	0.2348	2.14	5.32	0.833	0.380	6.83	8.77	2.28	0.6098	3
4	0.1298	0.0788	0.1128	0.2858	2.48	5.05	1.70	2.79	5.28	7.46	2.14	0.5198	4
5	0.1418	0.0768	0.0928	0.4848	2.10	4.07	3.30	4.73	4.74	7.08	2.25	0.6178	5
6	0.1418	0.0728	0.0988	1.05 B	2.81	3.88	2.17	4.08	4.58	8.76	2.11 B	0.5558	6
7	0.1348	0.0798	0.0928	1.10 B	1.86	3.85	1.58	3.39	4.01	8.08	2.04 B	0.4748	7
8	0.1308	0.0788	0.0948	1.32 B	1.12	3.77	1.21	3.58	3.81	8.81	2.07 B	0.4588	8
9	0.1308	0.0728	0.0878	1.87 B	1.17	4.41	0.928	3.56	3.17	5.28	1.98 B	0.4308	9
10	0.1288	0.0728	0.0848	2.47 B	1.06	4.88	0.888	2.38	2.84	5.02	1.82 B	0.3708	10
11	0.1288	0.0808	0.0878	3.50 B	0.810	3.73	0.827	1.82	2.58	5.00	1.78 B	0.3828	11
12	0.1418	0.0788	0.1008	5.29 B	0.782	2.82	0.650	1.88	2.20	4.85	1.82 B	0.3478	12
13	0.1378	0.0788	0.1118	7.14 B	0.621	2.40	0.894	1.85	2.03	4.80	1.42 B	0.3478	13
14	0.1418	0.0788	0.1218	8.23 B	0.788	2.00	0.800	1.80	1.83	4.31	1.38 B	0.3478	14
15	0.1348	0.0788	0.1288	8.12 B	0.638	1.81	0.838	1.88	1.80	4.43	1.31 B	0.3628	15
16	0.1378	0.0728	0.1268	7.88 B	0.828	1.84	0.731	1.41	1.88	4.02	1.28 B	0.3478	16
17	0.1308	0.0728	0.1298	8.00 B	0.488	1.88	0.728	1.33	1.83	3.88	1.24 B	0.3238	17
18	0.1348	0.0728	0.1258	8.28 B	0.390	1.47	1.18	1.81	1.88	3.35	1.23 B	0.3128	18
19	0.1378	0.0888	0.1038	7.82 B	0.473	1.10	0.975	2.38	2.11	3.16	1.30 B	0.2988	19
20	0.1418	0.0908	0.0888	7.82 B	0.737	1.03	0.788	2.19	2.08	3.00	1.34 B	0.2788	20
21	0.1488	0.1048	0.0988	8.88 B	5.28	0.878	0.808	1.82	1.88	3.08	1.38 B	0.2788	21
22	0.1418	0.1018	0.1148	8.24	9.07	0.784	0.588	2.48	2.07	2.80	1.28 B	0.2688	22
23	0.1238	0.1048	0.1268	8.41	11.6	0.884	0.707	8.42	2.09	2.88	1.19 B	0.2888	23
24	0.1188	0.1288	0.1488	8.18	13.8	0.878	0.847	13.4	2.07	2.88	1.12 B	0.2278	24
25	0.1298	0.1308	0.1588	8.88	18.8	0.714	0.488	13.8	2.00	2.48	1.08 B	0.2868	25
26	0.1238	0.1308	0.1248	8.87	15.7	0.868	0.374	13.8	2.05	2.36	1.00 B	0.3008	26
27	0.1378	0.1308	0.1348	8.42	13.3	0.838	0.383	11.8	1.87	2.28	1.00 B	0.3238	27
28	0.1238	0.1308	0.1448	4.44	12.0	0.884	0.382	10.2	1.73	2.28	0.8858	0.3408	28
29	0.1188		0.1508	4.01	10.7	0.811	0.438	9.81	1.72	2.19	0.8858	0.3478	29
30	0.1048		0.1588	3.78	8.81	0.884	0.348	8.85	1.79	2.80	0.7438	0.3628	30
31	0.0908		0.1868		8.88		0.281	8.87		2.34		0.3558	31
TOTAL	4.881	2.803	3.884	138.488	181.384	71.875	25.588	142.934	88.82	134.88	48.283	13.182	TOTAL
MEAN	0.131	0.088	0.118	4.88	2.40	0.888	4.81	2.88	MEAN
MAX	0.148	0.138	0.188	8.80	18.8	3.30	13.8	7.31	MAX
MIN	0.088	0.072	0.084	0.188	0.388	0.884	0.281	0.208	1.88	2.19	0.743	0.227	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.25
MAXIMUM DAILY, 18.8 ON MAY 25
MINIMUM DAILY, 0.0728 ON FEB 3
MAXIMUM INSTANTANEOUS,
18.1 AT 11:30 MST ON MAY 25

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 03 20 N
LONG 117 07 42 W
DRAINAGE AREA, 1 880 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	361	JUL	2 300
FEB	218	AUG	12 300
MAR	318	SEP	7 500
APR	11 800	OCT	11 700
MAY	13 100	NOV	4 000
JUN	8 210	DEC	1 060

TOTAL DISCHARGE, 70 800 dam³

HIGHWOOD DIVERSION CANAL NEAR HEADGATES - STATION NO. 05BL025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	0	1.12	1.37	0.888	0.700	0.734	0A	---	1
2	---	---	---	0	0	1.13	1.28	0.892	0.707	0.784	---	---	2
3	---	---	---	0	0	1.14	1.32	0.892	0.710	0.738	---	---	3
4	---	---	---	0	0	1.13	1.33	0.893	0.700	0.708	---	---	4
5	---	---	---	0	0.132	1.12	1.38	0.894	0.884	0.785	---	---	5
6	---	---	---	0	0.209	1.14	1.35	0.897	0.708	0.768	---	---	6
7	---	---	---	0	0.215	1.14	1.34	0.892	0.700	0.727	---	---	7
8	---	---	---	0	0.221A	1.14	1.33	0.901	0.698	0.712	---	---	8
9	---	---	---	0	0.567E	1.13	1.33	0.908	0.701	0.895	---	---	9
10	---	---	---	0	0.898E	1.13	1.36	0.913	0.719	0.888	---	---	10
11	---	---	---	0	0.832E	1.12	1.38	1.11	0.718	0.843	---	---	11
12	---	---	---	0	0.880E	1.12	1.36	1.34	0.713	0.833	---	---	12
13	---	---	---	0	0.852E	1.14	1.35	1.34	0.708	0.826	---	---	13
14	---	---	---	0	0.852E	1.15	1.37	1.33	0.704	0.831	---	---	14
15	---	---	---	0	0.852E	1.14	1.36	1.31	0.702	0.822	---	---	15
16	---	---	---	0	0.708E	1.14	1.35	1.28	0.704	0.481	---	---	16
17	---	---	---	0	0.702A	1.14	1.35	1.30	0.718	0.048	---	---	17
18	---	---	---	0	0.702	1.12	1.36	1.25	0.722	0.028	---	---	18
19	---	---	---	0	0.888	1.11	1.34	1.13	0.718	0.018	---	---	19
20	---	---	---	0	0.883	1.12	1.20	0.918	0.725	0.018	---	---	20
21	---	---	---	0	0.888	1.15	1.37	0.837	0.720	0.013	---	---	21
22	---	---	---	0	0.886	1.20	1.36	0.858	0.714	0.010	---	---	22
23	---	---	---	0	0.718	1.21	1.35	0.858	0.738	0.009	---	---	23
24	---	---	---	0	0.905	1.22	1.23	0.788	0.727	0.007	---	---	24
25	---	---	---	0	1.01	1.23	0.888	0.738	0.748	0.005	---	---	25
26	---	---	---	0	1.03	1.21	1.10	0.747	0.747	0.003	---	---	26
27	---	---	---	0	1.08	1.21	0.889	0.780	0.738	0.002	---	---	27
28	---	---	---	0	1.08	1.21	0.884	0.771	0.740	0.001	---	---	28
29	---		0A	0	1.07	1.21	0.883	0.744	0.732	0	---	---	29
30	---		0	0	1.08	1.24	0.881	0.718	0.888	0	---	---	30
31	---		0		1.11		0.880	0.708		0		---	31
TOTAL	---	---	---	0	19.138	34.71	38.433	28.808	21.480	11.842	---	---	TOTAL
MEAN	---	---	---	0	0.617	1.18	1.24	0.881	0.718	0.388	---	---	MEAN
MAX	---	---	---	0	1.11	1.24	1.38	1.34	0.747	0.788	---	---	MAX
MIN	---	---	---	0	0	1.11	0.888	0.708	0.884	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.722
MAXIMUM DAILY, 1.38 ON JUL 11
MINIMUM DAILY, 0 ON APR 1

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 33 05 N
LONG 113 59 20 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	3 320
FEB	---	AUG	2 880
MAR	---	SEP	1 880
APR	0	OCT	884
MAY	1 880	NOV	---
JUN	3 000	DEC	---

TOTAL DISCHARGE, 13 400 dam³

HIGHWOOD RIVER AT DIEBEL'S RANCH - STATION NO. 05BL019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.298	1.448	4.70	18.4	14.1	5.47	5.48	4.15	2.018	---	1
2	---	---	1.458	1.398	5.88	26.3	13.0	5.51	5.23	3.90	---	---	2
3	---	---	1.478	1.418	8.85	27.8	12.2	5.40	5.57	3.89	---	---	3
4	---	---	1.458	1.408	9.00	27.7	11.8	5.15A	5.18	3.72	---	---	4
5	---	---	1.488	1.488	10.4	31.3	11.4	5.28A	7.08	3.80	---	---	5
6	---	---	1.508	1.478	14.8	37.2	10.8	5.14A	7.44	3.89	---	---	6
7	---	---	1.808	1.548	21.2	38.8	10.5	4.89A	7.28	3.59	---	---	7
8	---	---	1.718	1.548	23.2	38.8	10.3	5.51A	7.28	3.50	---	---	8
9	---	---	1.628	1.508	24.8	37.0	9.98	5.20A	7.09	3.47	---	---	9
10	---	---	1.508	1.588	27.9	35.9	11.2	5.26A	7.18	3.48	---	---	10
11	---	---	1.488	1.588	28.1	33.7	11.4	4.88A	6.85	3.56	---	---	11
12	---	---	1.488	1.958	24.8	30.4	10.4	4.88A	5.71	3.82	---	---	12
13	---	---	1.438	1.788	21.2	31.0	10.4	4.93A	5.48	3.70	---	---	13
14	---	---	1.428	1.908	18.8	32.0	10.2	4.88A	5.33	3.74	---	---	14
15	---	---	1.418	2.268	16.9	30.8	9.73	4.17A	5.13	3.40	---	---	15
16	---	---	1.418	2.918	17.8	30.5	9.83	4.50A	5.88	3.23	---	---	16
17	---	---	1.418	2.348	16.8	27.8	9.61	4.74A	5.01	3.00	---	---	17
18	---	---	1.418	2.758	16.3	24.0	9.01	4.48A	5.78	3.25	---	---	18
19	---	---	1.418	3.128	16.8	21.8	8.43	4.38A	5.48	3.28	---	---	19
20	---	---	1.408	3.768	16.0	20.4	8.82	4.42A	5.30	3.20	---	---	20
21	---	---	1.408	5.848	14.3	18.1	8.36	4.23A	5.04	3.83	---	---	21
22	---	---	1.388	7.248	14.0	17.0	8.47	4.20A	4.82	3.83	---	---	22
23	---	---	1.378	8.07	14.8	18.1	7.74	4.00A	4.88	3.46	---	---	23
24	---	---	1.388	8.04	14.4	15.7	7.24	4.18A	4.83	3.42	---	---	24
25	---	---	1.408	8.89	13.8	16.2	8.83	4.28A	4.42	3.37	---	---	25
26	---	---	1.418	4.22	13.1	15.4	8.83	5.02A	4.30	3.32	---	---	26
27	---	1.428	1.418	3.88	12.7	15.8	8.40	5.83A	4.18	3.32	---	---	27
28	---	1.428	1.408	3.83	12.2	14.8	8.18	7.47A	4.18	3.22	---	---	28
29	---		1.388	3.86	11.8	14.2	8.90	7.62A	4.08	3.088	---	---	29
30	---		1.438	4.88	11.8	14.4	8.70	7.29A	4.08	3.028	---	---	30
31	---		1.428		13.8		8.81	8.83A		2.948		---	31
TOTAL	---	---	44.88	88.88	498.73	788.8	288.17	188.41	174.04	108.84	---	---	TOTAL
MEAN	---	---	1.44	2.90	16.1	28.2	8.33	5.11	5.80	3.48	---	---	MEAN
MAX	---	---	1.71	7.24	28.1	38.8	14.1	7.52	7.44	4.15	---	---	MAX
MIN	---	---	1.28	1.38	8.70	14.2	8.81	4.00	4.08	2.88	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.83
MAXIMUM DAILY, 38.8 ON JUN 7
MINIMUM DAILY, 1.288 ON MAR 1
MAXIMUM INSTANTANEOUS,
41.4 AT 02:34 MST ON JUN 7

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 24 30 N
LONG 114 28 50 W
DRAINAGE AREA, 774 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	25 000
FEB	---	AUG	13 700
MAR	3 850	SEP	15 000
APR	7 500	OCT	9 230
MAY	43 100	NOV	---
JUN	85 400	DEC	---

TOTAL DISCHARGE, 183 000 dam³

HIGHWOOD RIVER BELOW LITTLE BOW CANAL - STATION NO. 05BL004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.20 B	0.8508	1.00 B	1.508	8.85	17.8	11.1	3.10	5.63	3.58	1.888	3.00 B	1
2	1.23 B	0.8208	1.02 B	1.468	12.4	24.3	10.6	2.77	5.32	3.68	2.008	3.10 B	2
3	1.24 B	0.8308	1.04 B	1.478	13.5	28.1	9.86	2.30	5.34	3.28	3.928	3.20 B	3
4	1.30 B	0.8608	1.06 B	1.428	13.0	28.9	9.37	2.28	5.88	3.09	3.628	3.00 B	4
5	1.22 B	0.9008	1.08 B	1.388	13.3	30.3	7.91	2.43	5.87	3.01	3.428	2.80 B	5
6	1.10 B	0.8208	1.10 B	1.388	18.5	35.8	7.18	2.44	5.83	3.08	2.848	2.40 B	6
7	0.8708	0.8418	1.10 B	1.388	24.8	39.6	6.71	2.18	5.88	3.00	3.318	2.00 B	7
8	0.8808	0.8808	1.08 B	1.408	28.0	38.2	6.37	2.34	5.73	2.88	3.378	1.80 B	8
9	0.8808	1.03 B	1.07 B	1.488	28.4	37.3	6.18	2.88	5.62	2.83	3.518	1.80 B	9
10	0.8008	1.10 B	1.08 B	1.508	31.7	37.7	7.83	2.41	5.88	2.80	3.848	1.40 B	10
11	1.00 B	1.07 B	1.01 B	2.008	34.7	34.8	8.82	2.32	6.85	2.88	3.408	1.20 B	11
12	1.15 B	1.04 B	0.9908	2.77	31.1	31.8	7.47	2.08	6.81	2.87	3.108	0.8108	12
13	1.20 B	1.01 B	0.9878	3.18	28.0	30.7	8.88	2.21	6.31	3.01	2.808	1.00 B	13
14	1.20 B	0.9888	0.9808	4.07	22.0	31.2	8.88	2.12	6.18	3.07	2.808	1.30 B	14
15	1.20 B	0.9808	0.9408	5.31	18.4	30.2	8.37	2.13	5.88	3.08	2.308	1.80 B	15
16	1.20 B	0.8008	0.8308	8.84	18.7	30.8	8.17	2.08	5.87	2.87	2.508	2.10 B	16
17	1.28 B	0.8008	0.8208	8.17	18.0	28.2	8.33	2.82	5.82	3.48	2.708	2.00 B	17
18	1.31 B	0.8008	0.8308	8.18	18.8	25.0	8.81	2.31	5.74	3.38	3.208	1.88 B	18
19	1.18 B	0.8308	0.8808	8.87	17.8	21.5	8.22	2.16	5.40	3.48	4.008	1.38 B	19
20	1.08 B	0.8808	1.00 B	8.78	15.8	19.7	4.47	2.34	5.10	3.80	6.048	1.00 B	20
21	0.8808	0.8908	1.05 B	8.22	14.4	17.3	8.88	2.28	4.78	3.43	4.348	0.7008	21
22	0.8608	1.04 B	1.10 B	10.7	13.5	15.3	4.83	2.13	4.40	3.68	3.508	1.00 B	22
23	0.8088	1.10 B	1.15 B	11.1	12.9	14.6	4.03	2.08	4.08	3.78	3.008	1.40 B	23
24	0.8108	1.10 B	1.22 B	8.81	14.4	13.9	3.93	2.22	3.88	3.84	2.708	1.80 B	24
25	0.8508	1.07 B	1.25 B	7.24	13.2	14.2	4.24	2.71	3.83	3.84	2.508	2.40 B	25
26	0.8008	1.04 B	1.28 B	7.08	12.5	13.7	3.13	3.24	3.72	3.85	2.408	2.80 B	26
27	0.8408	1.02 B	1.38 B	6.38	12.0	13.8	3.85	4.24	3.85	3.87	2.408	2.48 B	27
28	0.8608	1.00 B	1.40 B	6.88	12.4	12.8	3.82	8.28	3.38	3.84	2.808	2.40 B	28
29	1.00 B		1.44 B	6.57	11.4	12.0	3.74	7.38	3.31	3.88	2.708	2.28 B	29
30	1.00 B		1.46 B	6.35	11.3	11.4	3.48	7.33	3.28	3.138	2.808	2.38 B	30
31	0.8308		1.48 B		12.8		3.28	6.88		2.848		2.28 B	31
TOTAL	32.748	27.247	34.447	137.42	557.15	740.8	188.78	83.88	181.88	101.47	92.77	80.080	TOTAL
MEAN	1.08	0.873	1.11	4.88	18.0	24.7	8.08	3.03	5.40	3.27	3.08	1.84	MEAN
MAX	1.31	1.10	1.48	11.1	34.7	38.8	11.1	7.38	8.83	3.84	8.84	3.20	MAX
MIN	0.808	0.820	0.820	1.38	8.88	11.4	3.12	2.08	3.28	2.84	1.88	0.810	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.11
MAXIMUM DAILY, 38.8 ON JUN 7
MINIMUM DAILY, 0.8108 ON DEC 13
MAXIMUM INSTANTANEOUS,
42.1 AT 11:38 MST ON JUN 7

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 35 08 N
LONG 113 52 07 W
DRAINAGE AREA, 1 980 km²
B - ICE CONDITIONS
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 830	JUL	16 300
FEB	2 350	AUG	8 110
MAR	2 880	SEP	14 000
APR	11 900	OCT	8 770
MAY	46 100	NOV	8 020
JUN	84 000	DEC	8 190

TOTAL DISCHARGE, 193 000 dam³

HIGHWOOD RIVER NEAR ALDERSYDE - STATION NO. 05BL009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.188	1.908	7.84	18.3	11.8	3.55	7.18	3.58	1.848	---	1
2	---	---	1.188	2.198	11.2	23.9	11.6	3.48	6.80	3.77	1.318	---	2
3	---	---	1.208	2.148	13.3	28.3	10.1	2.68	7.04	3.58	---	---	3
4	---	---	1.238	2.028	12.8	31.0	9.22	2.47	6.78	3.30	---	---	4
5	---	---	1.258	2.118	12.8	31.8	8.70	2.82	6.87	3.21	---	---	5
6	---	---	1.268	2.088	15.0	37.4	8.24	2.71	7.51	3.18	---	---	6
7	---	---	1.258	2.008	23.0	42.6	7.87	3.00	7.90	3.26	---	---	7
8	---	---	1.188	2.008	28.6	42.1	7.14	3.18	7.82	3.13	---	---	8
9	---	---	1.248	2.088	30.3	40.4	8.89	2.83	7.63	3.06	---	---	9
10	---	---	1.238	2.118	32.4	41.3	8.14	2.87	7.80	3.86	---	---	10
11	---	---	1.238	2.578	36.4	38.5	9.58	2.88	7.72	3.02	---	---	11
12	---	---	1.208	3.008	34.2	35.0	9.05	2.38	7.87	3.02	---	---	12
13	---	---	1.198	3.508	28.2	33.2	7.85	2.42	7.31	3.04	---	---	13
14	---	---	1.088	4.618	23.6	33.6	7.79	2.58	7.02	3.15	---	---	14
15	---	---	1.128	5.408	20.6	33.1	7.51	2.38	6.87	3.21	---	---	15
16	---	---	1.128	8.008	18.0	33.1	7.02	2.28	6.34	3.11	---	---	16
17	---	---	1.048	5.808	18.6	32.4	6.89	2.48	6.27	3.18	---	---	17
18	---	---	1.008	5.408	18.4	27.7	6.59	2.74	6.38	3.88	---	---	18
19	---	---	1.028	8.41	18.4	23.6	6.04	2.40	6.19	3.48	---	---	19
20	---	---	1.048	8.87	18.8	21.3	5.20	2.47	6.77	3.81	---	---	20
21	---	---	1.068	8.19	15.0	18.9	5.82	2.80	6.38	3.86	---	---	21
22	---	---	1.118	10.0	13.8	16.5	5.87	2.30	4.98	3.78	---	---	22
23	---	---	1.178	11.5	14.0	16.5	4.94	2.17	4.66	3.86	---	---	23
24	---	---	1.248	8.46	15.0	14.8	4.30	2.06	4.27	3.78	---	---	24
25	---	---	1.308	7.86	13.8	15.1	5.12	2.47	4.12	3.73	---	---	25
26	---	---	1.388	7.86	12.9	14.8	3.72	3.18	3.88	3.74	---	---	26
27	---	---	1.428	7.04	12.2	14.2	4.31	3.82	3.78	3.71	---	---	27
28	---	1.138	1.468	6.26	12.6	13.8	4.30	5.88	3.67	3.89	---	---	28
29	---		1.558	5.74	11.9	12.8	4.29	7.36	3.46	3.84	---	---	29
30	---		1.658	6.11	11.2	12.1	4.03	7.86	3.36	3.48	---	---	30
31	---		1.758		12.2		3.76	7.25		3.068		---	31
TOTAL	---	---	38.33	150.38	556.64	795.7	213.25	100.36	161.86	106.13	---	---	TOTAL
MEAN	---	---	1.24	5.01	18.3	26.5	6.88	3.24	6.08	3.42	---	---	MEAN
MAX	---	---	1.76	11.5	36.4	42.6	11.8	7.86	7.90	3.86	---	---	MAX
MIN	---	---	1.00	1.90	7.84	12.1	3.72	2.08	3.36	2.88	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.80
MAXIMUM DAILY, 42.6 ON JUN 7
MINIMUM DAILY, 1.008 ON MAR 18
MAXIMUM INSTANTANEOUS,
45.5 AT 15:26 MST ON JUN 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 41 58 N
LONG 113 51 33 W
DRAINAGE AREA, 2 340 km²

B - ICE CONDITIONS

REGULATED SINCE 1910

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	18 400
FEB	---	AUG	8 870
MAR	3 310	SEP	15 700
APR	13 000	OCT	9 170
MAY	49 100	NOV	---
JUN	68 700	DEC	---

TOTAL DISCHARGE, 186 000 dam³

HIGHWOOD RIVER NEAR THE MOUTH - STATION NO. 05BL024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MA	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.808	1.708	1.828	3.808	18.6	28.4	18.5	6.10	15.4	8.47	4.248	3.808	1
2	1.858	1.408	1.858	3.808	33.8	40.8	19.2	6.80	14.3	7.17	3.928	3.408	2
3	1.808	1.438	1.828	4.008	38.6	48.8	17.0	6.82	14.7	8.88	4.88	4.008	3
4	1.728	1.808	1.758	3.808	36.8	48.0	15.8	6.25	13.7	8.07	4.38	4.208	4
5	1.688	1.808	1.808	3.838	34.2	51.2	14.4	6.37	13.8	8.81	4.18	4.408	5
6	1.888	1.708	2.008	3.838	29.2	58.6	13.1	6.07	15.8	8.88	3.88	4.108	6
7	1.828	1.838	1.868	3.808	43.4	65.8	12.2	5.86	16.0	8.88	3.74	3.778	7
8	1.828	1.838	1.838	3.478	50.8	63.2	11.4	6.12	15.9	8.81	3.81	3.728	8
9	1.868	2.008	1.858	3.888	51.3	61.1	11.2	6.89	16.1	8.45	4.24	3.408	9
10	1.828	1.868	1.828	3.708	53.4	62.5	13.8	6.78	16.0	8.23	4.278	3.088	10
11	1.868	1.868	1.828	3.858	58.7	68.1	16.2	6.88	16.1	8.49	4.338	2.858	11
12	1.728	1.878	1.838	4.108	63.2	63.7	15.4	6.52	15.7	8.70	4.208	1.748	12
13	1.808	1.828	1.848	4.378	63.0	61.8	13.9	6.53	14.8	8.80	4.008	1.858	13
14	1.858	1.768	1.848	5.008	58.7	51.08	12.6	6.82	14.1	8.49	3.768	1.878	14
15	1.838	1.708	1.848	8.008	50.7	50.08	12.4	6.45	13.6	8.47	3.808	2.818	15
16	2.008	1.878	1.858	8.008	38.0	48.08	11.8	6.22	12.7	8.43	3.808	3.708	16
17	2.048	1.878	1.708	10.0 E	38.2	48.08	12.1	6.82	12.3	8.01	3.808	3.808	17
18	2.148	1.828	1.858	12.3 E	38.8	48.08	11.2	6.74	12.3	8.87	4.208	3.108	18
19	2.208	1.858	1.808	13.7	37.1	48.08	10.7	6.22	11.8	8.42	4.808	2.808	19
20	2.238	1.808	1.708	18.1	34.3	38.08	9.13	6.82	11.0	8.82	5.808	2.858	20
21	2.268	1.808	1.848	18.3	31.8	33.08	9.20	6.24	10.2	8.81	7.428	2.888	21
22	2.238	1.858	2.338	32.3	30.8	29.08	8.72	5.82	9.10	8.31	6.008	2.188	22
23	2.208	2.008	2.858	33.2	31.4	26.08	8.28	5.32	8.48	8.87	5.208	2.728	23
24	2.138	1.888	2.708	18.2	32.8	25.08	7.28	5.03	8.00	8.38	4.808	3.238	24
25	1.808	1.888	3.258	14.8	30.8	24.08	7.78	6.85	7.88	8.21	4.008	3.818	25
26	1.808	1.828	3.238	13.8	18.5	24.08	8.83	7.04	7.41	8.17	3.808	3.808	26
27	1.808	1.848	3.008	12.8	18.4	33.08	8.85	6.90	7.12	8.10	3.308	4.078	27
28	1.808	1.558	3.008	12.0	18.9	32.08	8.87	14.8	8.78	8.03	3.308	4.408	28
29	2.008		3.308	12.2	18.8	21.2A	7.79	18.7	8.83	8.16	3.338	4.108	29
30	2.008		3.708	13.8	18.8	18.8	8.82	18.1	8.30	4.84	3.458	3.888	30
31	1.858		3.858		20.8		8.88	18.3		4.888		3.188	31
TOTAL	57.74	48.80	67.83	280.81	927.4	1 255.1	355.87	230.95	383.39	173.09	137.42	103.31	TOTAL
MEAN	1.88	1.74	2.18	9.35	29.9	41.8	11.5	7.44	12.1	8.88	4.25	3.30	MEAN
MAX	2.28	2.00	3.70	23.2	58.7	68.8	19.5	18.7	16.1	7.17	7.42	4.40	MAX
MIN	1.80	1.40	1.82	3.47	18.4	18.8	8.88	8.03	8.30	4.84	3.30	1.74	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.8
MAXIMUM DAILY, 68.8 ON JUN 7
MINIMUM DAILY, 1.408 ON FEB 2
MAXIMUM INSTANTANEOUS,
68.0 AT 18:88 MST ON JUN 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 47 00 N
LONG 113 48 13 W
DRAINAGE AREA, 3 880 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1910

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 880	JUL	30 700
FEB	4 320	AUG	19 800
MAR	6 870	SEP	31 400
APR	24 300	OCT	14 800
MAY	80 100	NOV	11 000
JUN	108 000	DEC	8 830

TOTAL DISCHARGE, 344 000 dam³

HILDA LAKE NEAR COLD LAKE - STATION NO. 06AC003

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	548.513	---	---	548.518	548.547	548.506	548.475	---	---	---	1
2	---	---	---	---	---	---	548.542	---	---	548.619	548.614	---	2
3	---	---	---	---	---	---	---	548.509	---	---	---	---	3
4	---	---	---	---	548.525	548.583	548.574	---	---	548.634	---	---	4
5	---	---	---	---	548.525	---	548.603	548.509	548.479	---	---	---	5
6	---	---	---	---	---	548.578	---	---	---	---	---	---	6
7	---	---	---	548.518	---	548.583	---	548.489	548.488	548.619	---	---	7
8	---	---	---	---	548.514	548.580	548.605	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	548.580	---	548.489	548.488	---	---	---	10
11	---	---	---	---	---	548.550	548.808	---	---	548.619	---	---	11
12	---	---	---	548.528	548.508	---	548.809	548.489	548.488	---	---	---	12
13	---	---	---	---	---	---	548.810	---	---	---	---	---	13
14	---	---	---	---	---	---	548.813	548.479	---	548.618	---	---	14
15	---	---	---	---	548.512	---	548.811	---	548.488	---	---	---	15
16	---	---	---	---	---	---	---	548.488	548.478	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	548.514	---	548.824	548.458	---	---	---	---	18
19	---	---	---	---	548.486	---	548.578	548.428	548.488	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	548.585	---	---	---	548.618	---	---	21
22	---	---	---	---	---	---	---	548.478	548.488	---	---	---	22
23	---	---	---	---	548.478	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	548.483	---	---	---	---	24
25	---	---	---	---	---	---	---	---	548.488	---	---	---	25
26	---	---	---	---	---	548.580	548.525	---	---	548.618	---	---	26
27	---	---	---	---	548.483	---	---	---	---	---	---	---	27
28	---	---	---	---	---	548.580	548.508	---	---	---	---	---	28
29	---	---	---	---	---	548.584	548.509	548.488	548.438	548.618	---	---	29
30	---	---	---	---	---	548.585	---	---	---	---	---	---	30
31	---	---	---	---	---	---	---	548.488	---	---	---	---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 31 20 N
LONG 110 24 55 W

DRAINAGE AREA, 79.8 km²

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

MINES CREEK ABOVE CERRY LAKE - STATION NO. 07FD011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0088	0.0188	3.14	3.82	0.048	0	0.081	0.178	---	---	1
2	---	---	0.0088	0.0188	3.72	2.78	0.087	0	0.048	0.183	---	---	2
3	---	---	0.0088	0.0188	4.30	2.20	0.082	0.001	0.048	0.237	---	---	3
4	---	---	0.0088	0.0188	3.74	1.97	0.082	0.001	0.048	0.230	---	---	4
5	---	---	0.0088	0.0188	3.48	1.74	0.072	0.001	0.083	0.228	---	---	5
6	---	---	0.0088	0.0188	3.17	1.64	0.062	0	0.084	0.200	---	---	6
7	---	---	0.0078	0.0188	2.82	1.48	0.048	0	0.088	0.188	---	---	7
8	---	---	0.0068	0.0188	2.58	1.33	0.084	0	0.083	0.173	---	---	8
9	---	---	0.0078	0.0188	2.42	1.14	0.078	0	0.051	0.180	---	---	9
10	---	---	0.0088	0.0188	3.07	1.08	0.073	0.001	0.083	0.147	---	---	10
11	---	---	0.0088	0.0188	1.87	0.882	0.088	0	0.083	0.137	---	---	11
12	---	---	0.0088	0.0208	1.70	0.787	0.080	0.004	0.083	0.131	---	---	12
13	---	---	0.0088	0.0808	1.50	0.704	0.058	0	0.088	0.128	---	---	13
14	---	---	0.0078	0.2008	1.31	0.654	0.051	0	0.088	0.116	---	---	14
15	---	---	0.0078	0.2078	1.08	0.580	0.033	0.018	0.084	0.114	---	---	15
16	---	---	0.0088	0.1908	0.934	0.473	0.028	0.023	0.085	0.107	---	---	16
17	---	---	0.0088	0.1318	0.820	0.410	0.024	0.0218	0.087	0.104	---	---	17
18	---	---	0.0048	0.2348	0.732	0.344	0.023	0.019	0.084	0.101	---	---	18
19	---	---	0.0088	0.1578	0.683	0.293	0.0188	0.014	0.088	0.098	---	---	19
20	---	---	0.0088	0.3148	1.08	0.237	0.018	0.012	0.088	0.087	---	---	20
21	---	---	0.0078	0.5008	1.80	0.185	0.015	0.012	0.074	0.088	---	---	21
22	---	---	0.0108	0.8518	2.17	0.151	0.012	0.023	0.078	0.080	---	---	22
23	---	---	0.0088	1.02 E	3.20	0.142	0.008	0.025	0.080	0.087	---	---	23
24	---	---	0.0088	1.08	3.80	0.154	0.002	0.023	0.082	0.088	---	---	24
25	---	---	0.0078	1.08	4.30	0.138	0.001	0.038	0.087	0.091	---	---	25
26	---	---	0.0078	1.10	4.88	0.118	0	0.038	0.088	0.088	---	---	26
27	---	---	0.0088	1.38	5.82	0.108	0	0.044	0.100	0.088	---	---	27
28	---	---	0.0108	1.87	5.78	0.093	0	0.050	0.090	0.082	---	---	28
29	---	---	0.0138	2.11	5.57	0.101	0	0.068	0.105	0.078	---	---	29
30	---	---	0.0158	2.51	4.72	0.083	0	0.067	0.138	0.074	---	---	30
31	---	---	0.0168		3.88		0	0.068		0.080		---	31
TOTAL	---	---	0.235	15.028	88.708	25.823	1.137	0.880	2.088	4.008	---	---	TOTAL
MEAN	---	---	0.007	0.501	2.86	0.884	0.038	0.018	0.088	0.128	---	---	MEAN
MAX	---	---	0.018	2.51	5.78	3.82	0.092	0.068	0.138	0.230	---	---	MAX
MIN	---	---	0.004	0.018	0.683	0.083	0	0	0.048	0.074	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.561
MAXIMUM DAILY, 5.78 ON MAY 26
MINIMUM DAILY, 0 ON JUL 28
MAXIMUM INSTANTANEOUS,
6.82 AT 03:00 MST ON MAY 26

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 20 03 N
LONG 110 19 45 W
DRAINAGE AREA, 374 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	102
FEB	---	AUG	80.1
MAR	18.4	SEP	178
APR	1 300	OCT	348
MAY	7 660	NOV	---
JUN	2 210	DEC	---

TOTAL DISCHARGE, 11 900 dam³

REMARKS - PEAK DISCHARGE WAS DERIVED FROM HIGH WATER MARK

HINES CREEK NEAR FAIRVIEW - STATION NO. 07FD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0	0 B	4.12	5.86	0.154	0.012	0.005	0.015E	0.0758	---	1
2	---	---	0.0	0.0028	4.18E	5.70	0.158E	0.012	0.001	0.050E	---	---	2
3	---	---	0.0	0.0088	4.18	5.58	0.135	0.022	0	0.160E	---	---	3
4	---	---	0.0	0.0108	4.14	5.28	0.120	0.048E	0	0.330E	---	---	4
5	---	---	0.0	0.0428	4.03	5.10	0.103	0.051	0	0.400E	---	---	5
6	---	---	0.0	0.2928	3.96	4.88	0.083	0.051	0	0.508	---	---	6
7	---	---	0.0	1.21 B	4.00	4.74	0.077	0.049	0.002	0.588	---	---	7
8	---	---	0.0	3.03 B	4.03E	4.24	0.083	0.038E	0	0.486	---	---	8
9	---	---	0.0	5.11 B	4.05	3.05	0.047	0.002	0	0.430	---	---	9
10	---	---	0.0	6.04 B	4.07	2.45	0.048	0.002	0	0.386	---	---	10
11	---	---	0.0	8.45 B	4.16	2.03	0.047	0	0	0.390	---	---	11
12	---	---	0.0	13.3 B	3.92	1.70 E	0.047	0	0	0.442	---	---	12
13	---	---	0.0	8.83 B	3.73	1.44	0.038	0	0	0.480E	---	---	13
14	---	---	0.0	11.5 B	3.71	1.25	0.036	0.065	0	0.555	---	---	14
15	---	---	0.0	11.6 B	3.27	1.08	0.036	0.063	0.002	0.590	---	---	15
16	---	---	0.0	12.4 B	2.80E	0.821	0.718	0.045	0.008	0.653	---	---	16
17	---	---	0.0	13.4 B	2.59	0.638	0.930	0.035	0.008E	0.582	---	---	17
18	---	---	0.0	15.1 B	2.19	0.632	0.272	0.027	0.012	0.490	---	---	18
19	---	---	0.0	16.4 B	2.01	0.576	0.280	0.026	0.013	0.406	---	---	19
20	---	---	0.0	20.9 B	1.79	0.540E	0.260	0.024	0.018	0.300	---	---	20
21	---	---	0.0	18.9	2.91	0.514	0.224	0.023	0.027	0.270E	---	---	21
22	---	---	0.0	10.6	3.01	0.375	0.118	0.020E	0.032	0.244	---	---	22
23	---	---	0.0	8.25	3.24	0.320	0.015	0.017	0.042	0.220E	---	---	23
24	---	---	0.0	4.84	4.58	0.208	0.014E	0.080	0.085	0.193	---	---	24
25	---	---	0.0	3.22	5.84	0.210E	0.012	0.028	0.081	0.172	---	---	25
26	---	---	0.0	3.81	5.14	0.205	0.013	0.030	0.068	0.130E	---	---	26
27	---	---	0.0	1.87	5.44	0.196	0.014E	0.036	0.020E	0.100E	---	---	27
28	---	---	0.0	3.06	5.60	0.193	0.017	0.042	0.004	0.080E	---	---	28
29	---		0.0	2.46	5.62	0.187	0.013	0.026	0.002E	0.080E	---	---	29
30	---		0.0	2.73	5.52	0.180	0.013	0.013	0.004E	0.080E	---	---	30
31	---		0.0		5.26		0.012E	0.010		0.080E		---	31
TOTAL	---	---	0	212.281	129.09	80.158	4.130	0.885	0.433	8.790	---	---	TOTAL
MEAN	---	---	0	7.08	4.16	2.01	0.133	0.029	0.014	0.316	---	---	MEAN
MAX	---	---	0	20.9	5.62	5.86	0.930	0.080	0.085	0.653	---	---	MAX
MIN	---	---	0	0	1.79	0.187	0.012	0	0	0.018	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.70
MAXIMUM DAILY, 20.88 ON APR 20
MINIMUM DAILY, 0.0 ON MAR 1

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 04 05 N
LONG 118 39 35 W
DRAINAGE AREA, 1 240 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	358
FEB	---	AUG	76.5
MAR	0	SEP	37.4
APR	18 300	OCT	848
MAY	11 200	NOV	---
JUN	6 200	DEC	---

TOTAL DISCHARGE, 36 000 dam³

HOUSE RIVER AT HIGHWAY NO. 63 - STATION NO. 07CB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.4308	0.4308	3.27	8.44	7.38	7.88	6.82	3.16	1.898	---	1
2	---	---	0.4308	0.4308	3.28	9.32	7.88	8.85	6.82	3.26	1.858	---	2
3	---	---	0.4308	0.4308	3.22	9.08	8.37	10.3	6.80	3.16	1.808	---	3
4	---	---	0.4308	0.4308	3.22	8.83	8.52	10.8	6.42	3.14	1.808	---	4
5	---	---	0.4308	0.4308	3.30	8.78	8.80	11.0	6.00	3.08	1.898	---	5
6	---	---	0.4308	0.4308	3.16	8.47	8.85	11.0	4.86	2.98	1.898	---	6
7	---	---	0.4308	0.4408	3.20	8.47	8.88	10.8	4.40	2.84	1.898	---	7
8	---	---	0.4308	0.4508	3.22	8.41	8.78	9.76	4.36	2.78	---	---	8
9	---	---	0.4308	0.4608	3.28	8.72	8.82	8.85	4.23	2.86	---	---	9
10	---	---	0.4308	0.4808	3.30	9.14	8.48	7.85	4.07	2.85	---	---	10
11	---	---	0.4308	0.5228	3.30	9.33	8.18	7.04	3.89	2.84	---	---	11
12	---	---	0.4308	0.6118	3.27	9.38	7.82	6.41	3.71	2.82	---	---	12
13	---	---	0.4308	0.6508	3.24	9.15	7.84	6.07	3.62	2.81	---	---	13
14	---	---	0.4308	0.5348	3.21	8.72	7.38	6.08	3.33	2.81	---	---	14
15	---	---	0.4308	0.8828	3.16	8.31	6.86	6.48	3.19	2.80	---	---	15
16	---	---	0.4308	0.7938	3.08	7.76	8.42	4.87	3.15	2.88	---	---	16
17	---	---	0.4308	0.8858	3.04	7.83	8.28	4.84	3.27	2.83	---	---	17
18	---	---	0.4308	1.10 B	3.02	8.44	8.98	4.21	3.24	2.81	---	---	18
19	---	---	0.4308	1.10 B	3.78	8.87	8.71	3.87	3.14	2.80	---	---	19
20	---	---	0.4308	1.16 B	5.80	8.73	8.33	3.78	3.08	2.80	---	---	20
21	---	---	0.4308	1.23 B	7.88	9.08	8.02	3.84	3.15	2.48	---	---	21
22	---	---	0.4308	1.67 B	8.38	9.01	4.70	3.80	3.23	2.44	---	---	22
23	---	0.4308	0.4308	1.70 B	10.6	8.98	4.48	4.08	3.38	2.43	---	---	23
24	---	0.4308	0.4308	1.88 B	11.2	8.78	4.43	3.88	3.30	2.32	---	---	24
25	---	0.4308	0.4308	2.14 B	11.4	8.78	8.82	3.81	3.33	2.30	---	---	25
26	---	0.4308	0.4308	2.36 B	11.3	8.48	8.81	3.70	3.28	2.29	---	---	26
27	---	0.4308	0.4308	2.84 B	11.1	8.12	8.87	3.63	3.15	2.27	---	---	27
28	---	0.4308	0.4308	3.06 B	10.8	7.88	8.80	3.78	3.03	2.28	---	---	28
29	---		0.4308	3.15 B	10.4	7.83	8.82	4.88	2.83	1.888	---	---	29
30	---		0.4308	3.28 B	9.86	7.38	7.06	8.38	2.88	1.708	---	---	30
31	---		0.4308		9.87		7.47	8.48		1.478		---	31
TOTAL	---	---	13.330	38.732	180.42	256.87	218.73	184.78	114.83	78.37	---	---	TOTAL
MEAN	---	---	0.430	1.18	5.82	8.63	7.08	8.26	3.83	2.88	---	---	MEAN
MAX	---	---	0.430	3.28	11.4	8.44	8.88	11.0	8.82	3.26	---	---	MAX
MIN	---	---	0.430	0.430	2.82	7.38	4.43	3.63	2.83	1.47	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.47
MAXIMUM DAILY, 11.4 ON MAY 25
MINIMUM DAILY, 0.4308 ON MAR 1
MAXIMUM INSTANTANEOUS,
11.5 AT 18:08 MST ON MAY 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 38 30 N
LONG 112 08 25 W
DRAINAGE AREA, 764 km²

B - ICE CONDITIONS

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	18 800
FEB	---	AUG	18 800
MAR	1 150	SEP	9 920
APR	3 080	OCT	8 880
MAY	15 800	NOV	---
JUN	22 400	DEC	---

TOTAL DISCHARGE, 84 700 dam³

ISEGUN RIVER NEAR LITTLE SMOKY - STATION NO. 07EG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.2808	0.0288	10.3	28.1	18.1	15.8	15.2	4.56	2.75	---	1
2	---	---	0.2858	0.0488	10.2	26.2	37.2	20.4	14.0	4.36	3.42A	---	2
3	---	---	0.2488	0.0788	10.2	21.8	80.0	49.7	13.0	4.31	---	---	3
4	---	---	0.2258	0.1088	10.1	18.2	82.8	108	12.0	4.14	---	---	4
5	---	---	0.2088	0.1848	10.4	16.8	71.8	134	11.1	3.91	---	---	5
6	---	---	0.1808	0.3048	9.52	15.2	55.7	126	10.8	3.73	---	---	6
7	---	---	0.1488	0.8008	9.10	13.8	42.0	102	10.5	3.64	---	---	7
8	---	---	0.1208	0.8208	8.62	13.0	48.3	73.2	10.4	3.57	---	---	8
9	---	---	0.1508	1.80 B	8.14	14.1	113	50.6	10.0	3.48	---	---	9
10	---	---	0.1808	1.36 B	7.83	23.0	141	41.0	9.60	3.42	---	---	10
11	---	---	0.1708	1.56 B	8.98	48.4	133	47.7	9.10	3.35	---	---	11
12	---	---	0.1908	1.76 B	8.78	65.7	112	41.5	8.60	3.37	---	---	12
13	---	---	0.1108	2.22 B	8.40	38.8	84.1	37.4	7.92	3.15	---	---	13
14	---	---	0.1008	2.33 B	8.83	28.2	58.4	30.6	7.37	3.23	---	---	14
15	---	---	0.0808	2.37 B	4.82	23.3	44.4	28.2	6.88	3.01	---	---	15
16	---	---	0.0808	2.61 B	4.32	20.8	36.4	23.3	6.84	2.87	---	---	16
17	---	---	0.0708	3.12 B	4.08	18.8	31.6	22.8	7.10	2.48	---	---	17
18	---	---	0.0608	3.88 B	4.14	16.6	30.1	28.4	7.29	2.76	---	---	18
19	---	---	0.0508	5.76 B	12.8	14.7	28.1	31.4	7.52	3.00	---	---	19
20	---	---	0.0708	7.10 B	108	13.4	27.0	27.8	7.46	2.87	---	---	20
21	---	---	0.0808	6.80 B	191	12.5	28.8	24.8	7.38	2.83	---	---	21
22	---	---	0.0608	5.96 B	178	11.7	28.8	21.6	7.29	2.83	---	---	22
23	---	---	0.0408	5.56 B	184	10.6	26.2	21.8	7.08	2.81	---	---	23
24	---	---	0.0208	4.50 B	132	9.77	24.3	23.2	6.86	2.72	---	---	24
25	---	---	0.0108	11.7 B	112	8.84	26.3	23.9	6.31	2.86	---	---	25
26	---	---	0.0088	12.0 B	82.8	8.16	28.6	23.6	5.91	2.88	---	---	26
27	---	0.3768	0 B	8.86 B	73.3	8.00	22.2	22.0	5.32	2.81	---	---	27
28	---	0.3808	0 B	10.0	58.5	8.60	18.4	20.2	4.88	2.88	---	---	28
29	---		0 B	9.73	48.9	14.2	17.1	18.7	4.55	2.63	---	---	29
30	---		0 B	9.80	39.3	14.7	16.4	17.4	4.80	2.828	---	---	30
31	---		0.0188		33.6		15.3	16.5		2.828		---	31
TOTAL	---	---	3.198	128.758 B	1 380.44	564.08	1 526.8	1 272.5	252.18	99.21	---	---	TOTAL
MEAN	---	---	0.103	4.29	44.5	18.8	49.3	41.0	8.41	3.20	---	---	MEAN
MAX	---	---	0.290	13.0	191	65.4	141	134	15.2	4.56	---	---	MAX
MIN	---	---	0	0.028	4.08	8.00	15.1	15.5	4.55	2.48	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 21.3
MAXIMUM DAILY, 191 ON MAY 21
MINIMUM DAILY, 0B ON MAR 27
MAXIMUM INSTANTANEOUS,
188 AT 10:30 MST ON MAY 21

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 44 43 N
LONG 117 08 04 W
DRAINAGE AREA, 1 950 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	132 000
FEB	---	AUG	110 000
MAR	276	SEP	21 800
APR	11 100	OCT	8 570
MAY	118 000	NOV	---
JUN	48 700	DEC	---

TOTAL DISCHARGE, 451 000 dam³

IRON CREEK NEAR HARDISTY - STATION NO. 05FB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.22 B	0.131	0.018	0.008	0.022	0.008	0.008	---	---	1
2	---	---	0 B	1.46 B	0.202	0.022	0.014	0.014	0.012	0.017	---	---	2
3	---	---	0 B	1.36 B	0.157	0.021	0.018	0.008	0.018	0.038	---	---	3
4	---	---	0 B	1.55 B	0.114	0.013	0.020	0.014	0.008	0.040	---	---	4
5	---	---	0.0018	1.49 B	0.188	0.018	0.018	0.053	0.008	0.039	---	---	5
6	---	---	0.0018	1.24 B	0.345	0.033	0.018	0.088	0.008	0.032	---	---	6
7	---	---	0.0018	1.24 B	0.218	0.008	0.022	0.070	0.008	0.020	---	---	7
8	---	---	0.0018	1.88 B	0.192	0.003	0.018	0.058	0.014	0.018	---	---	8
9	---	---	0.0108	1.82 B	0.241	0.003	0.008	0.014	0.018	0.018	---	---	9
10	---	---	0.0018	2.73 B	0.131	0.003	0.008	0.002	0.010	0.018	---	---	10
11	---	---	0.0088	2.83 B	0.101	0.002	0.024	0.001	0.011	0.021	---	---	11
12	---	---	0.0088	3.31 B	0.200	0.001	0.028	0.003	0.008	0.020	---	---	12
13	---	---	0.0088	3.22 B	0.438	0.123	0.058	0.002	0.010	0.017	---	---	13
14	---	---	0.0088	2.84 B	0.408	0.040	0.051	0.004	0.011	0.028	---	---	14
15	---	---	0.0088	2.17 B	0.288	0.012	0.004	0.008	0.009	0.033	---	---	15
16	---	---	0.0088	1.81	0.288	0.002	0.028	0.009	0.008	0.044	---	---	16
17	---	---	0.0078	1.89	0.303	0	0.042	0.010	0.008	0.062	---	---	17
18	---	---	0.0068	1.84	0.232	0	0.042	0.015	0.007	0.071	---	---	18
19	---	---	0.0078	1.43	0.232	0	0.045	0.008	0.010	0.088	---	---	19
20	---	---	0.0108	1.23	0.218	0.001	0.084	0.010	0.012	0.088	---	---	20
21	---	0B	0.0128	1.07	0.187	0.001	0.082	0.003	0.011	0.073	---	---	21
22	---	0B	0.0038	0.918	0.108	0.001	0.071	0.002	0.013	0.098	---	---	22
23	---	0B	0.0358	0.788	0.120	0.001	0.050	0.001	0.011	0.072	---	---	23
24	---	0B	0.0408	0.874	0.348	0.001	0.018	0.001	0.008	0.088	---	---	24
25	---	0B	0.0158	0.518	0.307	0.001	0.008	0.001	0.007	0.077	---	---	25
26	---	0B	0.0138	0.382	0.304	0.002	0.002	0.002	0.008	0.083	---	---	26
27	---	0B	0.1678	0.287	0.281	0.003	0.001	0.004	0.008	0.134	---	---	27
28	---	0B	0.1838	0.288	0.238	0.050	0.001	0.004	0.004	0.134	---	---	28
29	---		0.1238	0.338	0.322	0.028	0.001	0.008	0.003	0.131	---	---	29
30	---		0.1988	0.148	0.188	0.013	0.013	0.008	0.003	0.137	---	---	30
31	---		0.4788		0.081		0.044	0.007		0.138A		---	31
TOTAL	---	---	1.346	43.427	8.996	0.384	0.803	0.420	0.278	1.778	---	---	TOTAL
MEAN	---	---	0.043	1.45	0.326	0.013	0.028	0.014	0.009	0.057	---	---	MEAN
MAX	---	---	0.478	3.31	0.438	0.123	0.082	0.070	0.018	0.138	---	---	MAX
MIN	---	---	0	0.148	0.081	0	0.001	0.001	0.003	0.008	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.228
MAXIMUM DAILY, 3.31B ON APR 12
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 42 38 N
LONG 111 18 38 W
DRAINAGE AREA, 3 800 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	89.4
FEB	---	AUG	36.3
MAR	118	SEP	24.0
APR	3 750	OCT	184
MAY	864	NOV	---
JUN	34.0	DEC	---

TOTAL DISCHARGE, 4 780 dam³

IRON CREEK NEAR VIKING - STATION NO. 05FB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.020B	0.004	0 E	0 E	0	0	0	---	---	1
2	---	---	0 B	0.080B	0.003	0 E	0 E	0	0	0	---	---	2
3	---	---	0 B	0.120B	0.002	0 E	0 E	0.002	0	0	---	---	3
4	---	---	0 B	0.240B	0.001A	0 E	0 E	0.001	0	0	---	---	4
5	---	---	0 B	0.430B	0 E	0 E	0 E	0.001	0	0	---	---	5
6	---	---	0 B	0.424B	0 E	0 E	0 E	0	0	0	---	---	6
7	---	---	0 B	0.238B	0 E	0 E	0 E	0	0	0	---	---	7
8	---	---	0 B	0.139B	0 E	0 E	0.003E	0	0	0	---	---	8
9	---	---	0 B	0.122B	0 E	0 E	0.002E	0	0	0	---	---	9
10	---	---	0 B	0.098	0 E	0 E	0.001E	0	0	0	---	---	10
11	---	---	0 B	0.078	0 E	0 E	0 E	0	0	0	---	---	11
12	---	---	0 B	0.068	0 E	0 E	0 A	0	0	0	---	---	12
13	---	---	0 B	0.062	0 E	0 E	0	0	0	0	---	---	13
14	---	---	0 B	0.061	0 E	0 A	0	0	0	0	---	---	14
15	---	---	0 B	0.080	0 E	0 E	0	0	0	0	---	---	15
16	---	---	0 B	0.057A	0 E	0 E	0	0	0	0	---	---	16
17	---	---	0 B	0.044E	0 E	0 E	0	0	0	0	---	---	17
18	---	---	0 B	0.031E	0 E	0 E	0	0	0	0	---	---	18
19	---	---	0 B	0.018A	0 E	0 E	0 A	0	0	0	---	---	19
20	---	---	0 B	0.015	0 E	0 E	0 E	0	0	0	---	---	20
21	---	---	0 B	0.012	0 E	0 E	0 E	0	0	0	---	---	21
22	---	---	0 B	0.010	0 E	0 E	0 E	0	0	0	---	---	22
23	---	---	0 B	0.010	0 E	0 E	0 E	0	0	0	---	---	23
24	---	---	0 B	0.010	0 E	0 E	0 E	0	0	0	---	---	24
25	---	---	0 B	0.011	0 E	0 E	0 E	0	0	0	---	---	25
26	---	---	0 B	0.012	0 E	0 E	0 E	0	0	0	---	---	26
27	---	---	0 B	0.011	0 E	0.003E	0 A	0	0	0	---	---	27
28	---	---	0 B	0.008	0 E	0.001E	0	0	0	0	---	---	28
29	---		0 B	0.008	0 E	0 E	0	0	0	0	---	---	29
30	---		0.002B	0.008	0 E	0 E	0	0	0	0	---	---	30
31	---		0.008B		0 E		0	0		0		---	31
TOTAL	---	---	0.008	2.470	0.010	0.004	0.008	0.004	0	0	---	---	TOTAL
MEAN	---	---	0	0.082	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.008	0.430	0.004	0.003	0.003	0.002	0	0	---	---	MAX
MIN	---	---	0	0.008	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.010
MAXIMUM DAILY, 0.430B ON APR 5
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 00 56 N
LONG 111 54 07 W
DRAINAGE AREA, 121 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.52
FEB	---	AUG	0.36
MAR	0.88	SEP	0
APR	213	OCT	0
MAY	0.86	NOV	---
JUN	0.35	DEC	---

TOTAL DISCHARGE, 216 dam³

ISLE LAKE AT EUREKA BEACH - STATION NO. 05EA005

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	729.858	730.040	730.030	730.688	730.747	730.418	730.188	---	1
2	---	---	---	---	729.884	730.030	730.046	730.578	730.747	730.408	---	---	2
3	---	---	---	---	729.856	730.018	730.042	730.586	730.747	730.398	---	---	3
4	---	---	---	---	---	730.010	730.044	730.588	730.747	730.388	---	---	4
5	---	---	---	---	729.886	730.000	730.081	730.588	730.737	730.378	---	---	5
6	---	---	---	---	---	729.980	730.080	730.598	730.732	730.388	---	---	6
7	---	---	---	---	729.884	729.974	730.084	730.608	730.717	730.388	---	---	7
8	---	---	---	729.882	729.882	729.970	730.144	730.608	730.707	730.408	---	---	8
9	---	---	---	---	729.848	729.962	730.334	730.578	730.687	730.348	---	---	9
10	---	---	---	---	729.847	---	730.444	730.678	730.677	730.338	---	---	10
11	---	---	---	---	729.843	729.958	730.542	730.688	730.688	730.328	---	---	11
12	---	---	---	---	729.837	729.954	730.580	730.678	730.688	730.318	---	---	12
13	---	---	---	---	729.828	729.950	---	730.656	730.646	730.298	---	---	13
14	---	---	---	---	729.828	729.976	730.602	730.648	730.638	730.278	---	---	14
15	---	---	---	---	729.828	729.954	730.598	730.648	730.638	730.328	---	---	15
16	---	---	---	---	729.818	729.978	730.588	730.658	730.638	730.288	---	---	16
17	---	---	---	---	729.800	729.970	730.587	730.638	730.638	730.288	---	---	17
18	---	---	---	730.014	---	729.956	730.579	730.758	730.638	730.248	---	---	18
19	---	---	---	---	---	---	---	730.758	730.638	730.238	---	---	19
20	---	---	---	---	---	---	730.579	730.788	730.588	730.228	---	---	20
21	---	728.781	---	---	730.000	729.950	730.579	730.768	730.638	730.218	---	---	21
22	---	---	728.784	---	730.080	729.950	730.579	730.778	730.618	730.208	---	---	22
23	---	---	---	---	730.074	729.950	730.579	730.807	730.608	730.188	---	---	23
24	---	---	---	---	730.080	729.948	---	730.807	730.608	730.248	---	---	24
25	---	---	---	---	730.084	729.942	730.579	730.807	730.488	730.188	---	---	25
26	---	---	---	---	730.088	---	730.589	730.817	730.478	730.178	---	---	26
27	---	---	---	---	730.090	---	730.589	730.817	730.481	730.208	---	---	27
28	---	---	---	---	730.078	729.880	730.589	730.827	730.488	730.218	---	---	28
29	---		---	---	730.084	730.000	730.638	730.787	730.488	730.188	---	---	29
30	---		---	---	730.084	730.024	730.638	730.787	730.478	730.228	730.033	---	30
31	---		---		730.048		730.638	730.787		730.188		---	31
MEAN	---	---	---	---	---	---	---	730.701	730.613	730.283	---	---	MEAN
MAX	---	---	---	---	---	---	---	730.827	730.747	730.418	---	---	MAX
MIN	---	---	---	---	---	---	---	730.588	730.488	730.188	---	---	MIN

SUMMARY FOR THE YEAR 1989

WATER LEVELS IN METRES

MAXIMUM DAILY, 730.827 ON AUG 26

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 37 22 N
LONG 114 42 01 W

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

DRAINAGE AREA, 278 km²

JACKFISH CREEK NEAR LA COREY - STATION NO. 05AC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0	0.0028	1.26	0.017	0.021	0	0.001	0.003	0.073	---	1
2	---	---	0.0	0.0088	1.37	0.020	0.018	0	0.001	0.006	0.071A	---	2
3	---	---	0.0	0.0398	1.43	0.020	0.015	0	0.007	0.026	---	---	3
4	---	---	0.0	0.0848	1.38	0.018	0.012	0	0.008	0.036	---	---	4
5	---	---	0.0	0.1528	1.31	0.015	0.010	0	0.008	0.048	---	---	5
6	---	---	0.0	0.2188	1.25	0.017	0.008	0	0.012	0.041	---	---	6
7	---	---	0.0	0.2658	1.13	0.016	0.008	0	0.013	0.037	---	---	7
8	---	---	0.0	0.2758	1.03	0.026	0.009	0	0.013	0.039	---	---	8
9	---	---	0.0	0.2708	1.11	0.048	0.014	0	0.012	0.037	---	---	9
10	---	---	0.0	0.2688	1.04	0.063	0.014	0	0.011	0.037	---	---	10
11	---	---	0.0	0.2528	1.01	0.047	0.014	0	0.008	0.042	---	---	11
12	---	---	0.0	0.2408	0.983	0.035	0.014	0	0.008	0.042	---	---	12
13	---	---	0.0	0.2658	0.873	0.032	0.013	0	0.007	0.040	---	---	13
14	---	---	0.0	0.3088	0.782	0.031	0.011	0	0.008	0.039	---	---	14
15	---	---	0.0	0.3398	0.678	0.028	0.010	0	0.008	0.038	---	---	15
16	---	---	0.0	0.3418	0.588	0.017	0.008	0	0.008	0.037	---	---	16
17	---	---	0.0	0.3308	0.522	0.021	0.008	0	0.008	0.036	---	---	17
18	---	---	0.0	0.3368	0.467	0.020	0.007	0	0.004	0.027	---	---	18
19	---	---	0.0	0.3328	0.474	0.021	0.006	0	0.003	0.031	---	---	19
20	---	---	0.0	0.3288	0.497	0.024	0.004	0	0.003	0.034	---	---	20
21	---	---	0.0	0.3308	0.480	0.021	0.003	0	0.003	0.198	---	---	21
22	---	---	0.0	0.338	0.514	0.018	0.004	0	0.002	0.117	---	---	22
23	---	---	0.0	0.348	0.422	0.011	0.003	0	0.002	0.087	---	---	23
24	---	---	0.0	0.416	0.308	0.013	0.002	0.001	0.002	0.076	---	---	24
25	---	---	0.0	0.495	0.233	0.011	0.002	0.001	0.002	0.068	---	---	25
26	---	---	0.0	0.825	0.164	0.010	0.001	0.001	0.002	0.095	---	---	26
27	---	---	0.0	0.840	0.098	0.008	0	0.001	0.002	0.087	---	---	27
28	---	---	0.0	0.820	0.078	0.010	0	0.001	0.002	0.101	---	---	28
29	---		0.0	1.04	0.060	0.011	0	0.001	0.002	0.110	---	---	29
30	---		0.0	1.08	0.027	0.013	0	0.001	0.002	0.098	---	---	30
31	---		0.0		0.018		0	0.001		0.083		---	31
TOTAL	---	---	0	11.124	21.627	0.848	0.240	0.008	0.161	1.732	---	---	TOTAL
MEAN	---	---	0	0.371	0.894	0.022	0.008	0	0.005	0.056	---	---	MEAN
MAX	---	---	0	1.08	1.43	0.063	0.021	0.001	0.013	0.117	---	---	MAX
MIN	---	---	0	0.002	0.018	0.008	0	0	0.001	0.003	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.145
MAXIMUM DAILY, 1.43 ON MAY 3
MINIMUM DAILY, 0E ON MAR 1
MAXIMUM INSTANTANEOUS,
1.59 AT 19:09 MST ON MAY 3

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 26 30 N
LONG 110 41 10 W
DRAINAGE AREA, 489 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	20.7
FEB	---	AUG	0.80
MAR	0	SEP	13.8
APR	881	OCT	180
MAY	1 880	NOV	---
JUN	88.0	DEC	---

TOTAL DISCHARGE, 3 080 dam³

JACKFISH RIVER BELOW CHRISTINA LAKE - STATION NO. 07CE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.231E	0.840E	2.13	5.58	7.80	3.58	1.68	3.80	---	---	1
2	---	---	0.284E	0.900E	2.03	5.62	7.65	3.63	1.84	3.72	---	---	2
3	---	---	0.288E	0.920E	2.07	5.38	7.68	3.62	2.15	3.87	---	---	3
4	---	---	0.338E	0.840E	2.00	5.33	7.63	3.41	2.08	3.68	---	---	4
5	---	---	0.211E	0.820E	2.11	5.48	7.62	3.38	2.13	3.81	---	---	5
6	---	---	0.208E	0.900E	2.08	5.88	7.72	3.18	2.18	3.87	---	---	6
7	---	---	0.200E	0.840E	2.08	5.61	7.70	3.88	2.22	3.85	---	---	7
8	---	---	0.198E	0.880E	2.08	5.35	7.63	3.83	2.15	3.88	---	---	8
9	---	---	0.198E	0.900E	2.04	5.30	7.62	2.83	2.22	3.88	---	---	9
10	---	---	0.180E	0.980E	2.13	5.88	7.34	2.78	2.27	3.88	---	---	10
11	---	---	0.190E	0.985E	2.01	5.87	7.12	2.88	2.38	3.83	---	---	11
12	---	---	0.188E	0.978E	2.13	6.26	6.84	2.42	2.41	3.88	---	---	12
13	---	---	0.180E	0.985E	2.18	6.41	6.88	2.43	2.43	3.88	---	---	13
14	---	---	0.178E	0.924E	2.16	6.36	6.38	2.32	2.48	3.84	---	---	14
15	---	---	0.170E	0.798E	2.16	6.01	6.14	2.36	2.48	3.83	---	---	15
16	---	---	0.175E	0.885E	2.08	6.77	5.84	2.18	2.58	3.88	---	---	16
17	---	---	0.180E	0.830E	2.05	6.24	5.48	2.08	2.64	3.83	---	---	17
18	---	---	0.200E	0.800E	2.03	5.80	5.11	2.07	2.68	4.00	---	---	18
19	---	---	0.205E	0.878E	2.19	7.03	4.83	2.07	2.78	3.88	---	---	19
20	---	---	0.218E	0.880E	2.51	7.28	4.68	2.00	2.88	3.84	---	---	20
21	---	---	0.228E	0.880E	2.84	7.88	4.42	1.88	3.03	3.78	---	---	21
22	---	---	0.255E	1.25 E	3.51	8.48	4.20	1.88	3.08	3.73	---	---	22
23	---	---	0.270E	2.00 E	4.04	8.74	3.97	2.02	3.20	3.83	---	---	23
24	---	---	0.276E	3.20 E	4.42	8.88	4.17	1.98	3.18	3.81	---	---	24
25	---	---	0.280E	3.22	4.74	8.88	4.14	1.93	3.32	3.88	---	---	25
26	---	---	0.240E	3.21	5.08	8.04	4.10	1.93	3.41	3.58	---	---	26
27	---	---	0.228E	3.19	5.33	8.72	4.08	1.87	3.40	3.81	---	---	27
28	---	0.172E	0.235E	3.19	5.48	8.48	3.98	1.80	3.37	3.47A	---	---	28
29	---		0.280E	3.18	5.58	8.31	3.77	1.88	3.44	3.28E	---	---	29
30	---		0.340E	3.18	5.58	8.18	3.78	1.85	3.47	3.13E	---	---	30
31	---		0.700E		5.84		3.77	1.87		3.00E		---	31
TOTAL	---	---	7.43E	35.91E	84.78	204.45	180.58	75.88	78.85	116.18	---	---	TOTAL
MEAN	---	---	0.240	1.20	3.08	6.82	5.82	2.44	2.86	3.78	---	---	MEAN
MAX	---	---	0.700	3.22	5.58	8.84	7.80	3.63	3.47	4.00	---	---	MAX
MIN	---	---	0.170	0.575	2.00	5.30	3.77	1.87	1.68	3.00	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.24
MAXIMUM DAILY, 8.84 ON JUN 26
MINIMUM DAILY, 0.170E ON MAR 15
MAXIMUM INSTANTANEOUS,
9.11 AT 15:07 MST ON JUN 26

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 40 35 N
LONG 111 04 00 W
DRAINAGE AREA, 1 280 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	15 800
FEB	---	AUG	8 540
MAR	643	SEP	8 000
APR	3 100	OCT	10 000
MAY	6 180	NOV	---
JUN	17 700	DEC	---

TOTAL DISCHARGE, 69 700 dam³

JACKPINE CREEK AT WADLIN LAKE ROAD - STATION NO. 07JD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.004B	0.005B	17.5	14.0	1.48	0.442	0.270	0.348	0.285A	---	1
2	---	---	0.004B	0.005B	20.1	13.0	1.44	0.418	0.301	0.351	---	---	2
3	---	---	0.004B	0.005B	23.5	12.5	1.40	0.517	0.417	0.348	---	---	3
4	---	---	0.004B	0.005B	25.7	12.0	2.17	0.583	0.513	0.341	---	---	4
5	---	---	0.004B	0.005B	25.1	11.6	2.78	0.567	0.469	0.336	---	---	5
6	---	---	0.004B	0.005B	23.9	11.2	2.67	0.499	0.432	0.330	---	---	6
7	---	---	0.004B	0.006B	22.3	10.8	2.50	0.441	0.396	0.322	---	---	7
8	---	---	0.004B	0.007B	20.7	10.0	2.47	0.386	0.385	0.307	---	---	8
9	---	---	0.004B	0.008B	19.0	9.20	2.35	0.358	0.328	0.308	---	---	9
10	---	---	0.004B	0.010B	17.5	8.66	2.11	0.319	0.291	0.310	---	---	10
11	---	---	0.004B	0.018B	16.0	7.80	1.88	0.285	0.288	0.343	---	---	11
12	---	---	0.004B	0.051B	14.6	7.28	1.65	0.249	0.246	0.338	---	---	12
13	---	---	0.004B	0.045B	13.2	6.10	1.47	0.229	0.221	0.320	---	---	13
14	---	---	0.004B	0.120B	11.9	5.11	1.28	0.242	0.230	0.307	---	---	14
15	---	---	0.004B	1.96 B	10.9	4.46	1.12	0.267	0.256	0.300	---	---	15
16	---	---	0.005B	2.55 B	9.89	4.03	1.01	0.271	0.249	0.305	---	---	16
17	---	---	0.005B	2.25 B	8.64	3.57	0.911	0.257	0.255	0.316	---	---	17
18	---	---	0.005B	2.70 B	8.00	3.38	0.922	0.241	0.258	0.305	---	---	18
19	---	---	0.005B	2.89 B	7.40	3.27	0.918	0.212	0.260	0.305	---	---	19
20	---	---	0.005B	3.27 B	8.42	3.00	0.900	0.186	0.254	0.306	---	---	20
21	---	---	0.005B	4.24 B	10.7	2.80	0.884	0.174	0.255	0.309	---	---	21
22	---	---	0.005B	4.72 B	12.5	2.61	0.763	0.184	0.251	0.321	---	---	22
23	---	---	0.005B	5.17 B	13.6	2.66	0.758	0.190	0.264	0.328	---	---	23
24	---	---	0.004B	5.31 B	14.7	2.43	0.774	0.183	0.251	0.337	---	---	24
25	---	---	0.004B	6.75 B	15.4	2.20	0.829	0.187	0.261	0.347	---	---	25
26	---	---	0.004B	8.19 B	15.6	2.04	0.734	0.167	0.256	0.358	---	---	26
27	---	---	0.005B	9.44 B	16.2	1.86	0.637	0.160	0.274	0.368	---	---	27
28	---	---	0.005B	11.4	16.6	1.71	0.582	0.158	0.304	0.368	---	---	28
29	---		0.005B	13.4	16.8	1.58	0.560	0.156	0.328	0.350	---	---	29
30	---		0.005B	15.5	16.6	1.47	0.537	0.156	0.337	0.327	---	---	30
31	---		0.005B		16.4		0.462	0.183		0.306		---	31
TOTAL	---	---	0.137	100.227	486.65	181.98	40.841	8.901	9.043	10.161	---	---	TOTAL
MEAN	---	---	0.004	3.34	15.6	6.07	1.32	0.287	0.301	0.328	---	---	MEAN
MAX	---	---	0.005	15.5	25.7	14.0	2.78	0.583	0.513	0.368	---	---	MAX
MIN	---	---	0.004	0.005	7.40	1.47	0.462	0.156	0.221	0.300	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.43
MAXIMUM DAILY, 25.7 ON MAY 4
MINIMUM DAILY, 0.004B ON MAR 1
MAXIMUM INSTANTANEOUS,
26.0 AT 13:00 MST ON MAY 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 11 35 N
LONG 115 48 00 W
DRAINAGE AREA, 562 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	3 530
FEB	---	AUG	769
MAR	11.8	SEP	781
APR	8 660	OCT	878
MAY	42 200	NOV	---
JUN	15 700	DEC	---

TOTAL DISCHARGE, 72 500 dam³

JAMES RIVER NEAR SUNDRE - STATION NO. 05CA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.705B	0.800B	13.9	4.71	8.40	3.84	9.35	3.41	---	---	1
2	---	---	0.710B	0.800B	14.7	4.59	8.50	6.03	9.56	3.40	---	---	2
3	---	---	0.720B	0.787B	12.7	4.61	4.91	10.5	11.9	3.26	---	---	3
4	---	---	0.730B	0.780B	12.6	4.39	4.44	8.56	10.3	3.12	---	---	4
5	---	---	0.740B	0.785B	12.4	4.27	4.44	6.46	9.73	3.13	---	---	5
6	---	---	0.765B	0.800B	14.1	4.18	4.13	5.98	9.55	3.13	---	---	6
7	---	---	0.765B	1.10 B	14.7	4.64	3.70	4.80	9.42	3.21	---	---	7
8	---	---	0.775B	1.55 B	12.6	4.88	3.47	4.26	11.5	3.06	---	---	8
9	---	---	0.770B	2.00 B	11.7	5.05	3.37	3.92	11.2	2.93	---	---	9
10	---	---	0.765B	1.65 B	10.9	5.17	3.78	4.37	10.8	2.98	---	---	10
11	---	---	0.765B	1.35 B	10.4	6.11	7.14	4.19	9.92	3.23	---	---	11
12	---	---	0.745B	1.47 B	9.64	5.45	6.59	3.57	8.90	3.24	---	---	12
13	---	---	0.735B	1.60 B	8.45	4.82	5.03	3.28	8.10	3.18	---	---	13
14	---	---	0.730B	3.10 B	7.41	4.21	4.63	3.10	7.42	3.24	---	---	14
15	---	---	0.730B	3.65 B	6.81	4.04	4.17	3.10	6.77	3.29	---	---	15
16	---	---	0.725B	2.70 B	6.05	5.20	4.81	3.99	6.42	3.11	---	---	16
17	---	---	0.730B	1.90 B	6.09	5.16	4.42	18.0	6.41	2.81	---	---	17
18	---	---	0.735B	3.20 B	6.28	6.65	4.09	16.2	6.66	2.77	---	---	18
19	---	---	0.735B	4.70 B	5.62	5.72	3.57	13.1	6.30	2.75	---	---	19
20	---	---	0.740B	6.40 B	5.35	5.94	3.06	11.1	5.81	2.72	---	---	20
21	---	---	0.750B	8.00 B	4.81	5.88	3.04	10.0	5.32	2.63	---	---	21
22	---	---	0.770B	10.4	4.46	5.37	3.12	8.69	5.09	2.60	---	---	22
23	---	---	0.800B	10.1	4.35	5.52	2.77	7.87	4.63	2.48	---	---	23
24	---	---	0.810B	11.2	4.65	5.72	2.50	7.48	4.55	2.54	---	---	24
25	---	---	0.820B	9.66	5.43	6.15	2.31	7.11	4.27	2.43	---	---	25
26	---	---	0.820B	9.39	5.49	6.55	2.18	8.92	4.12	2.39	---	---	26
27	---	0.722B	0.815B	9.23	5.14	13.5	2.07	7.66	3.96	2.32	---	---	27
28	---	0.705B	0.815B	8.16	5.56	11.0	2.19	8.66	3.76	2.27	---	---	28
29	---		0.810B	9.95	5.24	8.51	2.85	8.61	3.83	1.97B	---	---	29
30	---		0.810B	12.4	4.84	7.24	2.53	9.49	3.48	1.97B	---	---	30
31	---		0.805B		4.84		2.76	9.77		1.87B		---	31
TOTAL	---	---	23.620	140.282	257.27	176.61	123.06	230.22	218.26	87.36	---	---	TOTAL
MEAN	---	---	0.762	4.68	8.30	5.89	3.97	7.43	7.28	2.82	---	---	MEAN
MAX	---	---	0.820	12.4	14.7	13.5	8.58	18.0	11.9	3.41	---	---	MAX
MIN	---	---	0.705	0.780	4.35	4.04	2.07	3.10	3.48	1.87	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.14
MAXIMUM DAILY, 18.0 ON AUG 17
MINIMUM DAILY, 0.705B ON MAR 1
MAXIMUM INSTANTANEOUS,
20.5 AT 07:52 MST ON AUG 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 55 37 N
LONG 114 41 04 W
DRAINAGE AREA, 821 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	10 600
FEB	---	AUG	19 900
MAR	2 040	SEP	18 900
APR	12 100	OCT	7 550
MAY	22 200	NOV	---
JUN	15 500	DEC	---

TOTAL DISCHARGE, 108 000 dam³

JAYDOT RESERVOIR NEAR JAYDOT - STATION NO. 11AB088

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	919.288	920.473	920.580	920.484	920.383	920.284	920.157	920.078	---	---	1
2	---	---	919.285	920.528	920.582	920.483	920.371	920.269	920.150	920.071	---	---	2
3	---	---	919.284	920.552	920.580	920.448	920.388	920.250	920.151	920.068	---	---	3
4	---	---	919.285	920.585	920.581	920.438	920.388	920.224	920.147	920.070	---	---	4
5	---	---	919.284	920.573	920.542	920.435	920.358	920.217	920.145	920.088	---	---	5
6	---	---	919.287	920.574	920.541	920.431	920.348	920.212	920.142	920.082	---	---	6
7	---	---	919.291	920.578	920.544	920.428	920.348	920.208	920.140	920.087	---	---	7
8	---	---	919.290	920.588	920.539	920.418	920.339	920.202	920.133	920.080	---	---	8
9	---	---	919.290	920.584	920.533	920.411	920.324	920.198	920.128	920.088	---	---	9
10	---	---	919.289	920.583	920.527	920.420	920.319	920.192	920.121	920.085	---	---	10
11	---	---	919.290	920.583	920.524	920.436	920.320	920.188	920.118	920.048	---	---	11
12	---	---	919.288	920.588	920.515	920.490	920.313	920.180	920.113	920.045	---	---	12
13	---	---	919.289	920.591	920.507	920.445	920.305	920.173	920.113	920.043	---	---	13
14	---	---	919.288	920.589	920.503	920.440	920.310	920.187	920.113	920.040	---	---	14
15	---	---	919.288	920.593	920.500	920.440	920.308	920.183	920.114	920.035	---	---	15
16	---	---	919.288	920.588	920 502	920.435	920.308	920.178	920.110	920.034	---	---	16
17	---	---	919.289	920.583	920.497	920.423	920.310	920.188	920.108	920.031	---	---	17
18	---	---	919.294	920.588	920.488	920.417	920.314	920.182	920.118	920.028	---	---	18
19	---	---	919.288	920.588	920.478	920.410	920.311	920.187	920.117	920.030	---	---	19
20	---	---	919.289	920.588	920.473	920.401	920.306	920.184	920.114	920.028	---	---	20
21	---	---	919.300	920.588	920.488	920.398	920.304	920.180	920.108	920.027	---	---	21
22	---	---	919.300	920.588	920.483	920.389	920.298	920.148	920.104	920.024	---	---	22
23	---	919.308A	919.301	920.583	920.483	920.387	920.283	920.180	920.102	920.024	---	---	23
24	---	919.303	919.303	920.584	920.458	920.378	920.298	920.181	920.102	920.024	---	---	24
25	---	919.301	919.307	920.578	920.452	920.387	920.284	920.171	920.087	920.017	---	---	25
26	---	919.300	919.314	920.578	920.448	920.392	920.287	920.174	920.084	920.019	---	---	26
27	---	919.298	919.334	920.581	920.448	920.384	920.288	920.187	920.083	920.013	---	---	27
28	---	919.293	919.424	920.577	920.448	920.383	920.288	920.183	920.088	920.009	---	---	28
29	---	---	919.514	920.571	920.450	920.388	920.278	920.180	920.084	920.004	---	---	29
30	---	---	920.237	920.581	920.457	920.385	920.270	920.182	920.083	920.004A	---	---	30
31	---		920.401		920.463		920.288	920.184		920.003E		---	31
MEAN	---	---	919.384	920.575	920.489	920.418	920.315	920.182	920.117	920.038	---	---	MEAN
MAX	---	---	920.401	920.593	920.582	920.488	920.383	920.284	920.180	920.078	---	---	MAX
MIN	---	---	919.284	920.473	920.448	920.378	920.288	920.148	920.083	920.003	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 920.593 ON APR 15
MINIMUM DAILY, 919.284 ON MAR 3
MAXIMUM INSTANTANEOUS,
920.601 AT 17:43 CST ON APR 15

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 10 32 N
LONG 110 00 53 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED
DRAINAGE AREA,
19.7 km²

JOHNSTON CREEK NEAR THE MOUTH - STATION NO. 05AA008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.8808	8.85	7.24	3.40	4.41	1.41 E	0.5478	---	1
2	---	---	---	---	0.8888	7.03	5.38	4.09	4.82	1.34 E	---	---	2
3	---	---	---	---	1.00 E	7.48	4.88	4.74	4.83	1.31 E	---	---	3
4	---	---	---	---	1.10 E	8.35	4.38	4.19	4.38	1.28 E	---	---	4
5	---	---	---	---	1.48	11.6	4.43	3.41	4.20	1.27 E	---	---	5
6	---	---	---	---	2.18	13.8	4.20	2.88	3.82	1.22 E	---	---	6
7	---	---	---	---	3.30	11.8	4.38	2.71	3.63	1.17 E	---	---	7
8	---	---	---	---	4.35	10.0	4.73	3.00	3.30	1.12 E	---	---	8
9	---	---	---	---	5.35	11.5	4.12	3.28	2.98	1.05 E	---	---	9
10	---	---	---	---	8.13	13.4	3.88	3.28	2.72	1.10 E	---	---	10
11	---	---	---	---	6.13	13.0	4.83	2.71	2.58	1.15 E	---	---	11
12	---	---	---	---	3.82	12.5	4.81	2.47	2.43	1.17 E	---	---	12
13	---	---	---	---	2.67	12.8	4.86	2.44	2.31	1.18 E	---	---	13
14	---	---	---	---	2.18	13.6	4.48	2.41	2.22	1.10 E	---	---	14
15	---	---	---	---	2.15	14.1	4.76	2.33	2.12	1.03 E	---	---	15
16	---	---	---	---	2.22	11.6	4.71	3.02	2.01	0.950E	---	---	16
17	---	---	---	---	2.23	8.82	3.68	4.34	2.03	0.908E	---	---	17
18	---	---	---	---	2.11	7.02	3.67	5.82	1.93	0.940E	---	---	18
19	---	---	---	---	1.81	6.37	3.37	10.4	1.88	0.945E	---	---	19
20	---	---	---	---	1.78	5.33	3.81	8.32	1.82E	0.958E	---	---	20
21	---	---	---	---	1.72	4.34	5.01	5.98	1.88E	0.980E	---	---	21
22	---	---	---	---	1.70	4.14	3.77	5.50	1.81E	0.950E	---	---	22
23	---	---	---	---	1.66	4.33	3.04	5.11	1.68E	0.830E	---	---	23
24	---	---	---	0.4078	1.61	4.80	3.78	4.67	1.68E	0.850E	---	---	24
25	---	---	---	0.4108	1.72	4.81	3.82	4.23	1.82E	0.850E	---	---	25
26	---	---	---	0.4158	1.70	5.44	3.61	3.94	1.80E	0.850E	---	---	26
27	---	---	---	0.4228	1.82	5.41	3.58	4.13	1.48E	0.808E	---	---	27
28	---	---	---	0.4328	1.83	4.84	3.84	5.13	1.48E	0.788E	---	---	28
29	---		---	0.4488	1.82	4.83	3.84	5.82	1.42E	0.728E	---	---	29
30	---		---		1.77	5.04	3.48	5.38	1.48E	0.780E	---	---	30
31	---		---		3.13		3.38	4.98		0.880E		---	31
TOTAL	---	---	---	---	89.868	255.14	133.38	130.71	75.40	31.833	---	---	TOTAL
MEAN	---	---	---	---	2.25	8.50	3.95	4.41	2.51	1.03	---	---	MEAN
MAX	---	---	---	---	8.35	14.1	7.24	10.4	4.82	1.41	---	---	MAX
MIN	---	---	---	---	0.880	4.14	3.38	2.33	1.42	0.880	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.78
MAXIMUM DAILY, 14.1 ON JUN 15
MINIMUM DAILY, 0.8808 ON MAY 1
MAXIMUM INSTANTANEOUS,
17.7 AT 21:00 MST ON JUN 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 14 40 N
LONG 115 00 30 W
DRAINAGE AREA, 124 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	10 800
FEB	---	AUG	11 800
MAR	---	SEP	8 510
APR	---	OCT	3 780
MAY	8 030	NOV	---
JUN	22 000	DEC	---

TOTAL DISCHARGE, 89 700 dam³

JOSLYN CREEK NEAR FORT MACKAY - STATION NO. 07DA018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0108	0.0088	12.9	0.905	0.817	1.27	0.104	1.55	---	---	1
2	---	---	0.0098	0.0088	13.0	0.880	0.844	1.43	0.097	1.38	---	---	2
3	---	---	0.0098	0.0078	9.81	1.18	1.80	1.83	0.088	1.28	---	---	3
4	---	---	0.0098	0.0078	7.85	1.38	1.78	1.85	0.081	1.11	---	---	4
5	---	---	0.0098	0.0078	8.19	0.803	2.01	1.89	0.180	0.892	---	---	5
6	---	---	0.0088	0.0088	9.21	0.834	1.88	1.88	0.140	0.832	---	---	6
7	---	---	0.0108	0.0088	4.83	0.545	1.82	1.84	0.130	0.818	---	---	7
8	---	---	0.0108	0.0078	4.18	0.511	1.48	1.62	0.113	0.507	---	---	8
9	---	---	0.0108	0.0078	3.81	0.507	1.23	1.21	0.084	0.513	---	---	9
10	---	---	0.0098	0.0098	3.34	0.526	0.887	0.838	0.104	0.453	---	---	10
11	---	---	0.0088	0.0188	2.88	0.505	0.809	0.727	0.140	0.371	---	---	11
12	---	---	0.0088	0.0418	2.47	0.542	0.788	0.744	0.218	0.278	---	---	12
13	---	---	0.0088	0.0858	2.14	0.502	0.581	0.498	0.229	0.287	---	---	13
14	---	---	0.0108	0.0488	1.87	0.428	0.454	0.388	0.287	0.318	---	---	14
15	---	---	0.0088	0.0388	1.62	0.387	0.388	0.271	0.324	0.332	---	---	15
16	---	---	0.0088	0.0188	1.50	0.294	0.298	0.191	0.884	0.288	---	---	16
17	---	---	0.0088	0.0088	1.38	0.238	0.234	0.172	0.855	0.231	---	---	17
18	---	---	0.0088	0.0288	1.14	0.230	0.178	0.184	0.884	0.218	---	---	18
19	---	---	0.0088	0.0288	1.02	0.223	0.148	0.271	0.867	0.218	---	---	19
20	---	---	0.0088	0.0308	1.31	0.314	0.184	0.486	1.22	0.203	---	---	20
21	---	---	0.0088	0.0718	2.08	0.888	0.208	0.228	1.27	0.178	---	---	21
22	---	---	0.0088	0.0938	2.88	1.58	0.344	0.218	1.33	0.244	---	---	22
23	---	---	0.0088	0.1178	2.58	1.40	0.812	0.238	1.44	0.288	---	---	23
24	---	---	0.0088	0.2648	2.38	1.17	0.813	0.228	1.39	0.272	---	---	24
25	---	---	0.0088	0.5818	1.84	1.18	0.700	0.288	1.29	0.280	---	---	25
26	---	---	0.0088	0.8828	1.88	1.11	0.838	0.210	1.41	0.238	---	---	26
27	---	---	0.0088	1.82 B	1.88	0.981	0.818	0.214	1.34	0.238A	---	---	27
28	---	---	0.0088	4.24 B	1.37	0.838	0.880	0.174	1.38	0.2288	---	---	28
29	---		0.0088	8.17	1.10	0.733	0.882	0.180	1.39	0.2208	---	---	29
30	---		0.0088	12.2	0.882	0.854	0.808	0.134	1.22	0.2108	---	---	30
31	---		0.0088		0.850		1.13	0.111		0.1958	---	---	31
TOTAL	---	---	0.277	28.788	108.132	21.882	38.383	20.381	20.330	14.134	---	---	TOTAL
MEAN	---	---	0.008	0.880	3.48	0.723	0.818	0.857	0.878	0.458	---	---	MEAN
MAX	---	---	0.010	12.2	13.0	1.58	2.01	1.89	1.44	1.55	---	---	MAX
MIN	---	---	0.008	0.007	0.850	0.223	0.148	0.111	0.081	0.178	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.878
MAXIMUM DAILY, 13.0 ON MAY 2
MINIMUM DAILY, 0.0078 ON APR 3
MAXIMUM INSTANTANEOUS,
14.2 AT 18:32 MST ON APR 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 18 27 N
LONG 111 44 30 W
DRAINAGE AREA, 257 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 180
FEB	---	AUG	1 780
MAR	23.8	SEP	1 780
APR	2 480	OCT	1 220
MAY	9 340	NOV	---
JUN	1 870	DEC	---

TOTAL DISCHARGE, 20 700 dam³

JUMPINGPOUND CREEK NEAR COX HILL - STATION NO. 05BH013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.8308	0.872	0.448	0.185	0.482	0.248	0.1338	---	1
2	---	---	---	---	0.7388	0.881	0.388	0.167	0.490	0.228	0.1488	---	2
3	---	---	---	---	0.8808	0.708	0.371	0.188	0.547	0.218	---	---	3
4	---	---	---	---	0.8608	0.888	0.350	0.180	0.487	0.213	---	---	4
5	---	---	---	---	0.7098	0.883	0.331	0.180	0.887	0.211	---	---	5
6	---	---	---	---	1.18	0.880	0.313	0.140	0.730	0.208	---	---	6
7	---	---	---	---	1.38	0.849	0.288	0.138	0.788	0.188	---	---	7
8	---	---	---	---	1.39	0.828	0.282	0.131	0.738	0.188	---	---	8
9	---	---	---	---	1.39	0.870	0.263	0.142	0.713	0.178	---	---	9
10	---	---	---	---	1.42	0.858	0.398	0.138	0.708	0.187	---	---	10
11	---	---	---	---	1.32	0.874	0.347	0.130	0.878	0.182	---	---	11
12	---	---	---	---	1.18	0.852	0.302	0.114	0.838	0.178	---	---	12
13	---	---	---	---	0.941	0.839	0.288	0.118	0.883	0.178	---	---	13
14	---	---	---	---	0.844	0.828	0.278	0.114	0.851	0.170	---	---	14
15	---	---	---	---	0.788	0.888	0.262	0.118	0.828	0.188	---	---	15
16	---	---	---	---	0.748	0.888	0.283	0.228	0.811	0.147	---	---	16
17	---	---	---	---	0.727	0.884	0.288	0.247	0.824	0.1588	---	---	17
18	---	---	---	---	0.878	0.818	0.241	0.183	0.481	0.150	---	---	18
19	---	---	---	---	0.808	0.811	0.228	0.177	0.458	0.147	---	---	19
20	---	---	---	---	0.884	0.878	0.217	0.185	0.432	0.148	---	---	20
21	---	---	---	---	0.832	0.828	0.208	0.188	0.384	0.142	---	---	21
22	---	---	---	---	0.802	0.830	0.197	0.180	0.368	0.133	---	---	22
23	---	---	---	---	0.487	0.818	0.180	0.151	0.388	0.134	---	---	23
24	---	---	---	---	0.474	0.488	0.188	0.188	0.338	0.131	---	---	24
25	---	---	---	---	0.484	0.818	0.178	0.188	0.318	0.128	---	---	25
26	---	---	---	---	0.428	0.481	0.188	0.184	0.298	0.120	---	---	26
27	---	---	---	---	0.428	0.800	0.182	0.278	0.284	0.1188	---	---	27
28	---	---	---	---	0.398	0.482	0.181	0.478	0.282	0.1138	---	---	28
29	---		---	---	0.438	0.438	0.183	0.884	0.257	0.1238	---	---	29
30	---		---	---	0.480	0.448	0.181	0.878	0.258	0.1138	---	---	30
31	---		---		0.871		0.188	0.838		0.1288	---	---	31
TOTAL	---	---	---	---	23.883	18.882	8.208	8.838	14.887	5.080	---	---	TOTAL
MEAN	---	---	---	---	0.783	0.800	0.285	0.211	0.488	0.183	---	---	MEAN
MAX	---	---	---	---	1.42	0.708	0.448	0.878	0.788	0.248	---	---	MAX
MIN	---	---	---	---	0.388	0.438	0.181	0.114	0.258	0.113	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.418
MAXIMUM DAILY, 1.42 ON MAY 10
MINIMUM DAILY, 0.1138 ON OCT 28
MAXIMUM INSTANTANEOUS,
1.87 AT 18:40 MST ON MAY 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 00 08 N
LONG 114 58 14 W
DRAINAGE AREA, 38.0 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	708
FEB	---	AUG	885
MAR	---	SEP	1 280
APR	---	OCT	437
MAY	2 040	NOV	---
JUN	1 880	DEC	---

TOTAL DISCHARGE, 8 590 dam³

JUMPINGPOUND CREEK NEAR THE MOUTH - STATION NO. 05BH005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.2208	0.1108	0.0808	0.2188	3.41	2.44	1.84	5.28	3.08	1.28	0.7008	0.8508	1
2	0.2258	0.1188	0.0788	0.2308	7.53	2.38	1.88	3.67	3.08	1.23	0.8008	0.8708	2
3	0.2408	0.1278	0.0708	0.2808	7.47	2.43	1.44	2.81	7.31	1.22	0.8208	0.8808	3
4	0.2488	0.1388	0.0708	0.2788	6.16	2.21	1.28	2.08	7.78	1.17	0.8408	0.8908	4
5	0.2428	0.1488	0.0808	0.3018	5.37	2.02	1.20	1.88	6.68	1.14	0.8588	0.8708	5
6	0.2208	0.1508	0.0908	0.5838	5.12	1.80	1.08	2.28	5.58	1.18	0.8808	0.8008	6
7	0.1808	0.1548	0.1108	0.8818	5.74	1.78	0.973	2.23	5.33	1.18	0.8508	0.8008	7
8	0.1858	0.1528	0.1808	0.8088	5.81	1.86	0.888	1.82	5.58	1.12	0.8488	0.3758	8
9	0.1958	0.1508	0.2358	0.7728	5.57	1.81	0.855	1.38	5.18	1.07	0.8408	0.3208	9
10	0.2008	0.1488	0.2408	1.08 E	5.28	3.48	1.04	1.28	5.08	1.08	0.8308	0.2958	10
11	0.2108	0.1308	0.2358	1.48 E	5.28	3.84	1.38	1.11	4.82	1.08	0.8008	0.2808	11
12	0.2208	0.1008	0.2088	5.31 E	4.82	3.21	1.38	0.880	4.23	1.12	0.7708	0.2858	12
13	0.2308	0.0908	0.1708	5.86 E	4.08	2.82	1.20	0.815	3.77	1.18	0.7208	0.3158	13
14	0.2358	0.0808	0.1488	5.84 E	3.39	2.18	1.11	0.851	3.28	1.10	0.6808	0.3308	14
15	0.2438	0.0788	0.1308	5.00 E	2.88	1.97	1.04	0.838	2.84	1.04	0.8588	0.3358	15
16	0.2808	0.0788	0.1188	4.30 E	2.83	2.04	3.88	0.802	2.48	1.02	0.8508	0.3308	16
17	0.2638	0.0788	0.1088	3.80 E	2.48	3.87	7.28	1.34	2.48	0.887	0.8708	0.3008	17
18	0.2888	0.0778	0.0988	3.40 E	2.24	3.09	5.03	1.82	2.20	0.838	0.7408	0.2758	18
19	0.2538	0.0828	0.0958	3.00 E	2.00	2.48	3.81	1.78	2.18	0.828	0.8508	0.2858	19
20	0.2478	0.0878	0.0858	2.88 E	1.98	2.13	2.88	1.82	2.73	0.897	1.10 E	0.2808	20
21	0.2488	0.0838	0.0858	2.80 E	1.88	1.84	1.88	1.28	2.38	0.844	1.13 E	0.2808	21
22	0.2488	0.1008	0.0858	3.00 E	1.47	1.78	1.70	1.13	1.98	0.801	1.10 E	0.2808	22
23	0.2808	0.1388	0.1008	7.48	1.48	2.03	1.42	1.02	1.78	0.777	1.00 E	0.2858	23
24	0.3008	0.1388	0.1058	8.53	1.58	2.18	1.28	0.821	1.62	0.788	0.9308	0.3408	24
25	0.3308	0.1408	0.1108	6.18	1.84	2.40	1.17	0.810	1.48	0.751	0.8708	0.3708	25
26	0.2408	0.1388	0.1208	3.53	1.84	2.80	1.08	0.938	1.48	0.718	0.8408	0.4008	26
27	0.1808	0.1108	0.1308	3.37	1.78	2.28	1.01	1.01	1.38	0.880	0.8208	0.4388	27
28	0.1258	0.0808	0.1458	3.03	2.41	1.88	1.13	1.88	1.31	0.671	0.8268	0.4508	28
29	0.1108		0.1858	2.85	2.82	1.71	1.34	4.58	1.28	0.8508	0.8308	0.4658	29
30	0.1068		0.1808	2.74	2.33	1.82	1.57	3.81	1.21	0.8708	0.8408	0.4608	30
31	0.1068		0.2088		2.38		8.38	3.52		0.8808		0.4408	31
TOTAL	6.804	3.192	4.077	84.085	110.33	88.77	83.088	56.833	104.88	28.888	26.180	13.778	TOTAL
MEAN	0.219	0.114	0.132	2.80	3.88	2.33	2.04	1.90	3.50	0.984	0.838	0.444	MEAN
MAX	0.330	0.184	0.240	7.48	7.53	3.84	8.38	8.28	7.78	1.28	1.13	0.880	MAX
MIN	0.108	0.078	0.070	0.215	1.47	1.82	0.855	0.838	1.21	0.880	0.880	0.260	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.57
MAXIMUM DAILY, 8.38 ON JUL 31
MINIMUM DAILY, 0.0708 ON MAR 3
MAXIMUM INSTANTANEOUS,
15.0 AT 11:24 MST ON JUL 31

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 09 15 N
LONG 114 31 42 W
DRAINAGE AREA, 871 km²

E - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	588	JUL E 480	
FEB	278	AUG E 880	
MAR	382	SEP E 870	
APR 7	280	OCT 2 880	
MAY E	820	NOV 2 170	
JUN E	030	DEC 1 180	

TOTAL DISCHARGE, 49 800 dam³

KAKWA RIVER NEAR GRANDE PRAIRIE - STATION NO. 07GB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.858	2.818	35.8	187	118	48.2	89.8	35.1	---	---	1
2	---	---	1.778	3.148	37.0	188	181	108	83.7	31.8	---	---	2
3	---	---	1.688	3.408	37.5	188	186	288	74.7	29.0	---	---	3
4	---	---	1.548	3.388	41.8	188	123	200	68.2	27.8	---	---	4
5	---	---	1.388	3.488	50.7	181	118	148	82.7	28.8	---	---	5
6	---	---	1.328	3.518	71.8	188	108	117	89.8	28.4	---	---	6
7	---	---	1.288	3.838	88.8	188	95.8	88.0	84.3	28.7	---	---	7
8	---	---	1.288	3.688	114	138	132	88.8	84.5	24.8	---	---	8
9	---	---	1.288	3.788	122	181	188	81.8	80.7	23.8	---	---	9
10	---	---	1.278	3.088	128	241	188	113	81.8	22.8	---	---	10
11	---	---	1.288	3.518	128	188	178	107	72.8	22.8	---	---	11
12	---	---	1.288	4.028	104	174	153	93.8	88.0	22.7	---	---	12
13	---	---	1.288	4.208	82.3	164	133	78.1	60.3	23.2	---	---	13
14	---	---	1.388	4.208	72.8	183	121	78.8	84.8	21.2	---	---	14
15	---	---	1.828	4.888	74.2	143	114	107	81.0	20.8	---	---	15
16	---	---	1.878	4.858	78.0	128	102	110	47.4	19.2	---	---	16
17	---	---	1.738	5.238	81.4	108	92.2	324	48.7	17.7	---	---	17
18	---	---	1.648	5.788	81.8	92.8	82.4	280	43.3	18.4	---	---	18
19	---	---	1.898	6.408	78.7	84.5	74.1	208	40.2	21.8	---	---	19
20	---	---	1.948	7.278	78.8	78.4	88.8	180	38.0	27.2	---	---	20
21	---	1.888	1.838	7.888	77.3	70.7	88.8	127	37.4	26.8	---	---	21
22	---	1.878	1.888	10.0 E	77.2	67.1	88.8	122	38.8	24.8	---	---	22
23	---	1.848	1.858	12.4 E	84.2	70.8	80.8	228	34.0	23.8	---	---	23
24	---	1.808	1.888	14.8 E	78.8	78.8	88.0	280	32.2	22.8	---	---	24
25	---	1.858	1.988	18.8 E	88.7	77.4	87.2	184	31.1	21.8	---	---	25
26	---	2.028	1.848	27.3	104	72.8	81.0	158	30.1	21.8	---	---	26
27	---	1.888	1.888	21.4	118	100	88.8	138	28.3	20.8	---	---	27
28	---	1.888	2.008	28.3	100	147	88.8	127	27.8	20.2	---	---	28
29	---		1.888	28.7	81.3	118	88.8	124	26.8	18.2	---	---	29
30	---		1.828	32.8	88.8	88.7	88.2	111	31.3	18.7	---	---	30
31	---		2.838		138		83.0	88.3		17.88		---	31
TOTAL	---	---	80.48	278.88	2 831.8	4 005.8	3 181.8	4 421.1	1 884.3	721.7	---	---	TOTAL
MEAN	---	---	1.83	8.23	84.8	134	102	143	88.8	23.3	---	---	MEAN
MAX	---	---	2.83	32.8	138	241	188	288	84.8	38.1	---	---	MAX
MIN	---	---	1.28	2.18	38.8	87.1	48.2	48.2	38.8	17.8	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 88.1
MAXIMUM DAILY, 288 ON AUG 3
MINIMUM DAILY, 1.288 ON MAR 12
MAXIMUM INSTANTANEOUS,
330 AT 23:00 MST ON AUG 23

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 22 20 N
LONG 118 36 40 W
DRAINAGE AREA, 3 300 km²

E - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL 273 000	
FEB	---	AUG 382 000	
MAR 4	380	SEP 144 000	
APR 23	800	OCT 83 400	
MAY 227	000	NOV ---	
JUN 348	000	DEC ---	

TOTAL DISCHARGE, 1 480 000 dam³

KANANASKIS RIVER ABOVE POCATERRA CREEK - STATION NO. 05BF003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	7.16	11.4	10.7	0.028	4.22	7.16	0.057	11.1	0.085	0.085	11.8	12.7	1
2	11.8	11.2	10.7	0.028	0.057	8.48	0.057	10.1	0.085	7.35	12.7	8.55	2
3	10.5	11.4	8.88	3.17	0.057	0.028	0.057	10.8	0.085	8.75	12.8	0.085	3
4	11.1	8.83	3.71	0.028	0.057	0.028	0.057	7.14	0.085	12.4	4.45	0.085	4
5	10.4	5.01	3.54	0.028	0.057	0.028	2.92	0.057	0.085	8.84	0.057	0.085	5
6	10.4	12.7	8.09	0.028	0.057	0.028	0.057	7.42	2.15	11.5	14.3	8.85	6
7	7.42	11.3	10.8	0.028	0.085	3.88	0.057	10.3	0.085	8.44	12.8	8.58	7
8	7.38	12.2	10.5	0.028	2.35	0.057	0.057	7.42	0.085	0.057	8.88	11.5	8
9	11.5	8.34	10.4	0.028	4.33	0.057	0.057	0.057	0.085	0.057	8.88	8.88	9
10	17.0	11.5	7.18	2.15	4.36	0.057	0.057	8.88	0.085	11.5	11.5	8.92	10
11	18.9	8.38	2.83	0.028	4.80	0.057	3.48	8.84	0.085	11.8	8.75	12.8	11
12	11.5	8.88	3.40	0.028	4.30	0.057	0.057	10.9	0.085	8.15	0.085	15.4	12
13	17.1	13.5	8.34	0.028	0.057	0.057	0.057	13.8	1.83	8.83	14.1	15.1	13
14	8.55	12.9	4.84	0.028	0.057	2.78	3.84	14.0	0.085	0.085	11.4	15.0	14
15	8.50	13.8	8.40	0.028	8.48	0.057	0.057	12.5	0.085	0.085	8.78	15.8	15
16	17.2	13.1	8.80	0.028	4.42	0.057	0.057	10.0	0.085	11.8	11.8	8.88	16
17	17.8	11.3	7.31	2.28	8.40	0.057	3.74	0.057	0.085	12.1	7.42	8.85	17
18	17.8	8.43	4.25	0.028	8.48	0.057	0.057	0.057	0.085	12.1	4.16	17.8	18
19	17.1	8.37	4.81	0.028	8.31	0.057	0.057	0.057	0.085	12.8	0.085	17.0	19
20	17.3	8.47	7.84	2.27	0.028	0.057	3.87	0.057	3.82	10.0	12.9	17.0	20
21	11.4	11.2	7.08	0.057	0.028	4.84	3.87	0.057	3.80	0.085	10.8	17.2	21
22	11.4	10.2	4.08	0.028	0.028	0.057	0.057	0.057	3.84	0.085	11.7	12.7	22
23	18.3	11.0	8.88	0.028	8.88	0.057	0.057	2.84	0.085	18.3	10.1	8.72	23
24	18.3	11.7	2.88	2.48	8.80	0.028	3.84	0.057	0.085	18.8	8.20	8.88	24
25	18.8	8.58	3.88	0.028	8.38	0.057	0.057	0.057	4.18	7.25	8.88	8.13	25
26	18.2	8.31	4.30	0.028	8.18	5.72	7.33	0.057	8.38	18.3	0.085	7.05	26
27	14.7	10.7	0.028	0.028	0.028	0.057	8.45	0.057	4.33	14.4	18.0	14.2	27
28	8.83	12.1	0.028	0.028	0.028	0.057	8.78	0.085	4.08	0.057	12.8	14.8	28
29	14.1		0.028	0.028	7.08	4.47	7.02	0.057	3.74	3.30	13.0	17.1	29
30	14.2		3.23	0.057	7.22	0.057	7.22	3.78	0.085	14.3	12.8	7.48	30
31	14.3		0.028		7.08		12.7	0.057		14.8		8.80	31
TOTAL	427.85	278.47	173.722	13.128	107.404	38.098	74.888	147.513	38.230	287.506	271.842	307.895	TOTAL
MEAN	13.8	9.85	5.60	0.438	3.46	1.20	2.42	4.76	1.27	8.31	8.06	9.93	MEAN
MAX	17.8	13.8	10.8	3.17	8.50	7.16	12.7	14.0	5.38	18.8	18.0	17.8	MAX
MIN	5.83	5.01	0.028	0.028	0.028	0.028	0.057	0.057	0.085	0.057	0.057	0.085	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.85
MAXIMUM DAILY, 17.8 ON JAN 17
MINIMUM DAILY, 0.028 ON MAR 27

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 42 00 N
LONG 115 07 05 W
DRAINAGE AREA, 383 km²

REGULATED SINCE 1932

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	37 000	JUL	8 470
FEB	24 100	AUG	12 700
MAR	15 000	SEP	3 300
APR	1 130	OCT	22 200
MAY	8 280	NOV	23 500
JUN	3 120	DEC	26 500

TOTAL DISCHARGE, 184 000 dam³

KANANASKIS RIVER BELOW BARRIER DAM - STATION NO. 05BF025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	18.3	18.3	17.1	0.113	0.113	17.4	7.45	18.5	11.9	4.80	7.11	14.8	1
2	17.4	18.5	17.2	0.113	0.113	18.5	8.78	18.8	13.2	13.2	8.88	17.0	2
3	19.2	18.5	16.8	0.113	0.113	14.8	7.85	14.3	13.1	14.4	16.0	16.9	3
4	18.1	18.3	12.4	0.113	0.113	11.0	8.55	8.48	12.9	18.4	16.5	0.388	4
5	19.1	17.8	12.8	0.113	0.113	21.3	11.3	9.43	4.80	18.4	14.8	0.128	5
6	19.4	17.4	17.0	0.113	0.113	18.8	11.3	11.4	7.08	18.9	16.7	8.88	6
7	17.1	18.8	17.8	0.113	0.113	18.8	11.8	18.3	11.8	10.8	12.7	12.8	7
8	16.7	18.8	17.8	0.113	4.38	23.8	7.38	17.4	10.2	8.33	12.8	12.7	8
9	20.0	18.8	17.8	0.113	13.7	22.7	8.88	17.3	11.7	10.3	7.48	14.7	9
10	20.8	17.4	17.1	0.113	17.4	18.3	11.4	13.8	10.7	10.3	16.8	14.8	10
11	19.3	12.8	13.8	0.113	17.8	18.4	11.8	14.2	11.7	11.8	11.8	15.7	11
12	20.2	10.1	13.0	0.113	17.4	21.8	11.8	11.8	12.0	11.8	13.0	16.4	12
13	20.8	18.0	18.1	0.113	14.8	21.4	8.44	13.8	11.8	13.0	14.2	14.2	13
14	14.2	17.1	18.8	0.113	21.4	20.8	8.88	18.3	10.1	10.0	11.9	14.2	14
15	15.8	18.8	16.7	0.113	22.7	20.7	7.42	18.8	11.0	8.83	13.2	14.4	15
16	18.7	18.2	14.8	0.113	21.4	17.8	7.88	10.0	7.31	12.3	18.8	14.8	16
17	17.7	17.0	14.3	0.113	21.2	17.2	11.8	14.7	8.88	14.1	15.8	18.0	17
18	18.8	11.2	7.82	0.113	18.7	17.0	8.88	14.3	8.80	18.7	13.8	17.4	18
19	18.8	8.87	8.77	0.113	17.3	16.8	4.18	11.4	8.88	13.4	15.8	15.8	19
20	18.8	17.3	14.8	0.113	11.8	12.8	7.88	8.18	8.40	16.8	15.8	18.7	20
21	18.2	17.2	11.4	0.113	10.8	11.8	10.2	11.3	8.40	12.7	3.03	16.8	21
22	14.8	17.4	11.3	0.113	10.8	11.8	8.03	12.3	12.0	11.8	13.5	16.8	22
23	16.8	16.7	7.78	0.113	12.3	10.5	8.00	8.52	7.82	18.7	14.7	14.0	23
24	18.8	18.8	8.84	0.113	18.8	8.51	8.81	8.80	7.30	18.8	14.5	12.8	24
25	18.8	14.2	11.3	0.113	14.8	8.88	8.88	8.17	7.88	17.0	16.7	12.8	25
26	20.0	14.3	8.28	0.113	18.4	12.7	13.7	0.851	8.88	8.81	15.8	15.0	26
27	18.8	17.5	10.4	0.113	12.8	12.7	8.08	7.83	13.3	17.5	17.2	12.7	27
28	18.8	17.4	0.113	0.113	14.8	8.28	13.0	10.8	8.48	12.7	14.0	13.0	28
29	18.7		0.113	0.113	18.7	0.510	12.4	13.1	8.28	14.1	14.8	12.7	29
30	18.8		0.113	0.113	18.8	13.1	18.1	10.1	4.84	18.2	14.6	13.1	30
31	17.7		0.113		17.1		18.8	10.8		18.7		11.8	31
TOTAL	588.4	487.37	388.032	3.390	378.881	487.240	283.28	378.481	288.43	418.27	403.88	418.858	TOTAL
MEAN	18.4	18.7	11.8	0.113	12.2	16.8	9.48	12.2	9.81	13.4	13.8	13.4	MEAN
MAX	20.8	18.8	17.8	0.113	22.7	23.8	18.8	18.8	13.3	18.4	17.2	18.7	MAX
MIN	14.2	8.87	0.113	0.113	0.113	0.510	4.18	0.851	4.80	4.80	3.03	0.128	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 13.2
MAXIMUM DAILY, 23.8 ON JUN 6
MINIMUM DAILY, 0.113 ON MAR 26

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 02 30 N
LONG 115 01 55 W
DRAINAGE AREA, 899 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	48 200	JUL	35 300
FEB	40 400	AUG	32 700
MAR	31 600	SEP	34 700
APR	393	OCT	38 000
MAY	32 700	NOV	34 800
JUN	40 400	DEC	36 000

TOTAL DISCHARGE, 384 000 dam³

KEG RIVER AT HIGHWAY NO. 35 - STATION NO. 07HF003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0338	0.0388	34.4	18.9	0.738	0.182	1.05	3.00	0.473E	---	1
2	---	---	0.0318	0.0388	37.3	12.4	0.884	0.343	0.904	3.42	0.471E	---	2
3	---	---	0.0308	0.0288	34.3	9.46	0.704	0.721	0.840	3.35	0.448E	---	3
4	---	---	0.0288	0.0258	30.7	7.75	1.03	0.888	0.784	3.17	---	---	4
5	---	---	0.0288	0.0258	27.3	6.85	1.23	1.10	0.732	2.85	---	---	5
6	---	---	0.0288	0.0448	23.7	5.29	1.36	1.08	0.682	3.42	---	---	6
7	---	---	0.0288	0.0848	21.7	7.45	1.21	0.852	0.808	2.18	---	---	7
8	---	---	0.0248	0.1888	18.3	7.35	0.954	0.723	0.858	1.85	---	---	8
9	---	---	0.0238	0.4648	15.7	6.52	0.832	0.802	0.818	1.88	---	---	9
10	---	---	0.0228	1.27 E	13.5	5.81	0.884	0.858	0.782	1.40	---	---	10
11	---	---	0.0218	4.18 E	11.6	5.02	0.832	1.00	0.888	1.24	---	---	11
12	---	---	0.0228	7.23 E	10.2	4.38	0.437	3.05	0.881	1.08	---	---	12
13	---	---	0.0258	7.81 E	8.78	3.78	0.381	3.05	0.803	0.936	---	---	13
14	---	---	0.0288	4.48 E	7.67	3.12	0.338	2.48	0.482	0.782	---	---	14
15	---	---	0.0288	2.47 E	6.69	2.75	0.305	2.02	0.484	0.884	---	---	15
16	---	---	0.0288	0.7888	6.03	2.70	0.280	1.88	0.427	0.645	---	---	16
17	---	---	0.0268	0.8848	5.54	2.68	0.266	1.38	0.400	0.642	---	---	17
18	---	---	0.0268	0.8898	5.03	2.67	0.220	1.21	0.414	0.583	---	---	18
19	---	---	0.0268	1.58 E	4.60	2.38	0.233	1.10	0.434	0.483	---	---	19
20	---	---	0.0288	2.18 E	6.03	2.07	0.217	0.884	0.448	0.384	---	---	20
21	---	---	0.0288	2.10 E	9.19	1.80	0.208	0.845	0.434	0.888	---	---	21
22	---	---	0.0278	2.19 E	11.8	1.84	0.214	0.728	0.420	0.785	---	---	22
23	---	---	0.0288	2.31 E	13.3	1.98	0.267	0.828	0.400	0.820	---	---	23
24	---	---	0.0228	2.37 E	18.3	1.83	0.314	1.02	0.414	0.833	---	---	24
25	---	---	0.0198	3.17 E	28.0	1.71	0.348	1.08	0.420	0.897	---	---	25
26	---	---	0.0178	4.48	31.0	1.48	0.300	1.24	0.400	0.857	---	---	26
27	---	---	0.0178	6.10	28.8	1.35	0.290	1.28	0.378	0.840	---	---	27
28	---	---	0.0188	8.88	36.1	1.08	0.278	1.88	0.388	0.7188	---	---	28
29	---		0.0188	18.0	37.5	1.04	0.277	1.48	0.378	0.7138	---	---	29
30	---		0.0248	27.4	28.7	0.742	0.248	1.32	1.22	0.8018	---	---	30
31	---		0.0288		23.8		0.188	1.30		0.4718		---	31
TOTAL	---	---	0.782	112.088	583.84	132.882	15.739	37.802	17.828	60.418	---	---	TOTAL
MEAN	---	---	0.025	3.74	18.8	4.43	0.508	1.21	0.594	1.30	---	---	MEAN
MAX	---	---	0.033	27.4	37.3	18.9	1.36	3.05	1.22	3.42	---	---	MAX
MIN	---	---	0.018	0.026	4.60	0.742	0.188	0.182	0.388	0.384	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.84
MAXIMUM DAILY, 37.3 ON MAY 2
MINIMUM DAILY, 0.0188 ON MAR 28
MAXIMUM INSTANTANEOUS,
38.3 AT 21:00 MST ON MAY 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 44 40 N
LONG 117 37 20 W
DRAINAGE AREA, 887 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL 1	380
FEB	---	AUG 3	240
MAR	65.8	SEP 1	840
APR 8	880	OCT 3	490
MAY 50	800	NOV	---
JUN 11	800	DEC	---

TOTAL DISCHARGE, 81 400 dam³

KENNEDY COULEE NEAR ACADIA VALLEY - STATION NO. 05CK005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0.010	0	0	0	0	0	0	---	---	2
3	---	---	0	0.858	0	0	0	0	0	0	---	---	3
4	---	---	0	0.278	0	0	0	0	0	0	---	---	4
5	---	---	0	0.148	0	0	0	0	0	0	---	---	5
6	---	---	0	0.100	0	0	0	0	0	0	---	---	6
7	---	---	0	0.088	0	0	0	0	0	0	---	---	7
8	---	---	0	0.041	0	0	0	0	0	0	---	---	8
9	---	---	0	0.021	0	0	0	0	0	0	---	---	9
10	---	---	0	0.010	0	0	0	0	0	0	---	---	10
11	---	---	0	0.005	0	0	0	0	0	0	---	---	11
12	---	---	0	0.001	0	0	0	0	0	0	---	---	12
13	---	---	0	0	0	0	0	0	0	0	---	---	13
14	---	---	0	0	0	0	0	0	0	0	---	---	14
15	---	---	0	0	0	0	0	0	0	0	---	---	15
16	---	---	0	0	0	0	0	0	0	0	---	---	16
17	---	---	0	0	0	0	0	0	0	0	---	---	17
18	---	---	0	0	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0	0	0	0	---	---	20
21	---	---	0	0	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	---	0	0	0	0	0	0	0	0	---	---	26
27	---	---	0	0	0	0	0	0	0	0	---	---	27
28	---	---	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0	1.338	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.041	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.858	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.005
MAXIMUM DAILY, 0.858 ON APR 3
MINIMUM DAILY, 0 ON MAR 1

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 05 45 N
LONG 110 15 31 W
DRAINAGE AREA, 838 km²

REGULATED SINCE 1966

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	107	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 107 dam³

KILLARNEY LAKE TRIBUTARY NEAR CHAUVIN - STATION NO. 05GA010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.2159	0.003	0.003	0.001	0	0.001	0	---	---	1
2	---	---	0 B	0.2768	0.013	0.001	0	0	0.001	0.001	---	---	2
3	---	---	0 B	0.4348	0.038	0.001	0	0	0.001	0.001	---	---	3
4	---	---	0 B	0.2888	0.027	0.001	0	0	0.001	0	---	---	4
5	---	---	0 B	0.1638	0.001	0.003	0	0	0.001	0.001	---	---	5
6	---	---	0 B	0.138	0.002	0.001	0	0	0.001	0.001	---	---	6
7	---	---	0 B	0.100	0	0.002	0	0	0.001	0	---	---	7
8	---	---	0 B	0.078	0.001	0.001	0	0	0.001	0	---	---	8
9	---	---	0 B	0.058	0.001	0.003	0	0	0.001	0.004	---	---	9
10	---	---	0 B	0.037	0.001	0.008	0	0	0.001	0.001	---	---	10
11	---	---	0 B	0.018	0.002	0.002	0	0	0.001	0.001	---	---	11
12	---	---	0 B	0.008	0.002	0	0	0	0.001	0.001	---	---	12
13	---	---	0 B	0.003	0.001	0	0	0	0.001	0.001	---	---	13
14	---	---	0 B	0.001	0.002	0	0	0	0.001	0.001	---	---	14
15	---	---	0 B	0.001	0.002	0	0	0	0	0.003	---	---	15
16	---	---	0 B	0	0.002	0.001	0	0	0	0.001	---	---	16
17	---	---	0 B	0	0.002	0.001	0	0	0	0.001	---	---	17
18	---	---	0 B	0	0.002	0.001	0	0	0.002	0.001	---	---	18
19	---	---	0 B	0	0.001	0.001	0	0	0.001	0.001	---	---	19
20	---	0B	0 B	0	0.001	0.001	0	0.003	0.001	0.001	---	---	20
21	---	0B	0 B	0	0.001	0.001	0	0.001	0	0.001	---	---	21
22	---	0B	0 B	0	0.001	0	0	0	0.001	0.001	---	---	22
23	---	0B	0 B	0	0.001	0.001	0	0	0	0.003	---	---	23
24	---	0B	0 B	0.001	0.003	0	0	0	0.001	0.001	---	---	24
25	---	0B	0 B	0.002	0.001	0	0	0	0.001	0.001	---	---	25
26	---	0B	0 B	0.001	0.001	0.002	0	0	0.001	0.001	---	---	26
27	---	0B	0 B	0.001	0.001	0	0.006	0	0.001	0.001	---	---	27
28	---	0B	0 B	0.002	0.001	0	0.001	0	0.001	0.001	---	---	28
29	---		0 B	0.004	0.001	0	0	0	0.001	0.001	---	---	29
30	---		0.0B0B	0.008	0.001	0	0	0	0	0.001A	---	---	30
31	---		0.0B9B		0.001		0	0.003		0.001E		---	31
TOTAL	---	---	0.148	1.804	0.124	0.033	0.008	0.007	0.025	0.034	---	---	TOTAL
MEAN	---	---	0.005	0.080	0.004	0.001	0	0	0.001	0.001	---	---	MEAN
MAX	---	---	0.0B0	0.434	0.038	0.008	0.006	0.003	0.002	0.004	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.008
MAXIMUM DAILY, 0.4348 ON APR 3
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 33 47 N
LONG 110 08 52 W
DRAINAGE AREA, 1 010 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.89
FEB	---	AUG	0.80
MAR	12.9	SEP	2.16
APR	156	OCT	2.84
MAY	10.7	NOV	---
JUN	2.85	DEC	---

TOTAL DISCHARGE, 189 dam³

KLESKUN HILLS MAIN DRAIN NEAR GRANDE PRAIRIE - STATION NO. 07EE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0048	0	0	0.008	0	0.008	1.14	0.008	---	1
2	---	---	0 B	0.1308	0.001	0	0.082	0.008	0.008	0.373	0.040A	---	2
3	---	---	0 B	0.3388	0	0	0.081	0.429	0.004	0.132	---	---	3
4	---	---	0 B	1.12 B	0	0	0.008	1.14	0.003	0.033	---	---	4
5	---	---	0 B	0.9368	0	0	0.008	0.702	0.004	0.009	---	---	5
6	---	---	0 B	0.7828	0	0	0.003	0.244	0.007	0.008	---	---	6
7	---	---	0 B	0.4888	0	0	0.001	0.028	0.008	0.007	---	---	7
8	---	---	0 B	0.348	0	0	0.114	0.008	0.008	0.008	---	---	8
9	---	---	0 B	0.348	0	0.087	0.889	0.008	0.004	0.005	---	---	9
10	---	---	0 B	0.377	0	0.008	0.434	0.008	0.003	0.008	---	---	10
11	---	---	0 B	0.484	0	0.008	0.102	0.008	0.001	0.004	---	---	11
12	---	---	0 B	0.481	0	0.004	0.008	0.004	0.001	0.003	---	---	12
13	---	---	0 B	0.398	0	0.001	0.008	0.003	0	0.002	---	---	13
14	---	---	0 B	0.177	0	0	0.008	0.002	0	0.001	---	---	14
15	---	---	0 B	0.113	0	0	0.004	0.003	0	0.001	---	---	15
16	---	---	0 B	0.075	0	0	0.002	0.008	0	0.001	---	---	16
17	---	---	0 B	0.050	0	0	0.001	0.008	0.003	0	---	---	17
18	---	---	0 B	0.083	0.001	0	0.001	0.008	0.008	0.001	---	---	18
19	---	---	0 B	0.088	0.110	0	0.001	0.008	0.008	0.001	---	---	19
20	---	---	0 B	0.018	0.083	0	0.001	0.008	0.008	0.001	---	---	20
21	---	---	0 B	0.008	0.337	0	0	0.008	0.008	0.001	---	---	21
22	---	---	0 B	0.008	0.230	0	0	0.008	0.008	0	---	---	22
23	---	0B	0 B	0.008	0.018	0	0	2.48	0.004	0	---	---	23
24	---	0B	0 B	0.008	0.008	0	0.002	1.00	0.003	0	---	---	24
25	---	0B	0 B	0.003	0.008	0	0.004	0.383	0.002	0	---	---	25
26	---	0B	0 B	0.002	0.008	0	0	0.288	0.001	0	---	---	26
27	---	0B	0 B	0.001	0.004	0.008	0.003	0.085	0.001	0	---	---	27
28	---	0B	0 B	0.001	0.001	0.008	0.003	0.108	0.001	0	---	---	28
29	---		0 B	0.001	0.001	0.001	0.001	0.048	0	0	---	---	29
30	---		0.0018	0	0.001	0	0.001	0.008	1.48	0	---	---	30
31	---		0.0018		0		0	0.007		0.001	---	---	31
										0.003			
TOTAL	---	---	0.002	8.884	0.771	0.119	1.588	8.874	1.842	1.738	---	---	TOTAL
MEAN	---	---	0	0.232	0.026	0.004	0.051	0.238	0.061	0.058	---	---	MEAN
MAX	---	---	0.001	1.12	0.337	0.087	0.889	2.48	1.48	1.14	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.079
MAXIMUM DAILY, 2.48 ON AUG 23
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.28 AT 09:00 MST ON AUG 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 13 28 N
LONG 118 37 37 W
DRAINAGE AREA, 31.8 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	135
FEB	---	AUG	603
MAR	0.17	SEP	133
APR	578	OCT	150
MAY	66.6	NOV	---
JUN	10.3	DEC	---

TOTAL DISCHARGE, 1 670 dam³

KNEEHILLS CREEK NEAR DRUMHELLER - STATION NO. 05CE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	4.11 B	0.378	0.114	0.248	0	0.001	0	---	---	1
2	---	---	0 B	4.36 B	0.344	0.104	0.228	0	0.058	0	---	---	2
3	---	---	0 B	4.60 B	0.331	0.098	0.211	0	0.484	0	---	---	3
4	0B	---	0 B	3.66 A	0.318	0.086	0.180	0	0.080	0	---	---	4
5	---	---	0 B	3.32	0.288	0.081	0.169	0	0.022	0	---	---	5
6	---	---	0 B	3.88	0.275	0.075	0.153	0	0.084	0	---	---	6
7	---	---	0 B	3.34	0.264	0.067	0.113	0	0.108	0	---	---	7
8	---	---	0 B	3.80 E	0.243	0.082	0.086	0	0.028	0	---	---	8
9	---	---	0 B	4.40 E	0.218	0.087	0.048	0	0.010	0	---	---	9
10	---	---	0 B	4.80 E	0.233	0.081	0.111	0	0.002	0	---	---	10
11	---	---	0 B	4.78 A	0.271	0.048	0.248	0	0	0	---	---	11
12	---	---	0 B	3.84	0.232	0.038	0.173	0	0	0	---	---	12
13	---	---	0 B	3.28	0.186	0.032	0.143	0	0	0	---	---	13
14	---	---	0 B	3.88	0.185	0.028	0.094	0	0	0	---	---	14
15	---	---	0 B	4.23	0.183	0.021	0.083	0	0	0	---	---	15
16	---	---	0 B	3.83	0.152	0.0248	0.028	0.001	0	0	---	---	16
17	---	---	0 B	2.81	0.117	0.0308	0.014	0.088	0	0	---	---	17
18	---	---	0 B	2.83	0.108	0.0288	0.006	0.178	0	0	---	---	18
19	---	---	0 B	2.13	0.138	0.0208	0.003	0.048	0	0	---	---	19
20	---	---	0 B	1.82	0.147	0.0188	0.001	0.239	0	0	---	---	20
21	---	---	0 B	1.28	0.143	0.018A	0	0.088	0	0	---	---	21
22	---	0B	0 B	1.06	0.138	0.018	0	0.021	0	0	---	---	22
23	---	0B	0.0108	0.847	0.133	0.018	0	0.002	0	0	---	---	23
24	---	0B	0.0608	0.733	0.178	0.013	0	0	0	0	---	---	24
25	---	0B	0.1008	0.619	0.187	0.012	0	0	0	0	---	---	25
26	---	0B	0.2008	0.528	0.174	0.077	0	0	0	0	---	---	26
27	---	0B	0.5008	0.466	0.188	1.08 A	0	0	0	0	---	---	27
28	---	0B	1.83 B	0.484	0.147	0.338	0	0.088	0	0	---	---	28
29	---		1.10 B	0.438	0.138	0.302	0	0.071	0	0	---	---	29
30	---		4.18 B	0.408	0.128	0.272	0	0.031	0	0	---	---	30
31	---		4.98 B		0.122		0	0.009		0A		---	31
TOTAL	---	---	12.830	78.051	6.231	3.328	2.323	0.786	0.858	0	---	---	TOTAL
MEAN	---	---	0.407	2.86	0.201	0.108	0.075	0.028	0.029	0	---	---	MEAN
MAX	---	---	4.98	4.80	0.378	1.08	0.248	0.239	0.484	0	---	---	MAX
MIN	---	---	0	0.408	0.108	0.012	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.429
MAXIMUM DAILY, 4.98B ON MAR 31
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 28 40 N
LONG 113 51 30 W
DRAINAGE AREA, 2 430 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	201
FEB	---	AUG	88.6
MAR	1 080	SEP	74.0
APR	6 830	OCT	0
MAY	536	NOV	---
JUN	279	DEC	---

TOTAL DISCHARGE, 9 080 dam³

KRAWCHUK DRAINAGE NEAR MCLENNAN - STATION NO. 07HA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0 B	0	0	0	0	0	0.048	---	---	1
2	---	---	---	0 B	0	0	0	0	0	0.027	---	---	2
3	---	---	---	0 B	0	0	0.002	0.008	0	0.018	---	---	3
4	---	---	---	0 B	0	0	0	0.011	0	0.011	---	---	4
5	---	---	---	0 B	0	0	0	0.005	0	0.004	---	---	5
6	---	---	---	0 B	0	0	0	0	0	0	---	---	6
7	---	---	---	0 B	0	0	0	0	0	0	---	---	7
8	---	---	---	0 B	0	0	0	0	0	0	---	---	8
9	---	---	---	0.0628	0	0	0	0	0	0	---	---	9
10	---	---	---	0.3618	0	0	0	0	0	0	---	---	10
11	---	---	---	0.7058	0	0	0	0	0	0	---	---	11
12	---	---	---	0.8188	0	0	0	0	0	0	---	---	12
13	---	---	---	0.5848	0	0	0	0	0	0	---	---	13
14	---	---	---	0.2188	0	0	0	0	0	0	---	---	14
15	---	---	---	0.1708	0	0	0	0	0	0	---	---	15
16	---	---	---	0.0508	0	0	0.003	0	0	0	---	---	16
17	---	---	---	0.0228	0	0	0	0	0	0	---	---	17
18	---	---	---	0.028	0	0	0	0	0	0	---	---	18
19	---	---	---	0.038	0	0	0	0	0	0	---	---	19
20	---	---	---	0.041	0.028	0	0	0	0	0	---	---	20
21	---	---	---	0.038	0.098	0	0	0	0	0	---	---	21
22	---	---	---	0.028	0.122	0	0	0.014	0	0	---	---	22
23	---	---	---	0.018	0.071	0	0	0.126	0	0	---	---	23
24	---	---	---	0.015	0.038	0	0	0.143	0	0	---	---	24
25	---	---	---	0.012	0.026	0	0	0.082	0	0	---	---	25
26	---	---	---	0.008	0.018	0	0	0.018	0	0 E	---	---	26
27	---	---	---	0	0.016	0	0	0.003	0	0 E	---	---	27
28	---	---	---	0	0.013	0	0	0	0	0 E	---	---	28
29	---		0B	0	0.011	0	0	0	0	0 E	---	---	29
30	---		0B	0	0.007	0	0	0	0.004	0 E	---	---	30
31	---		0B		0		0	0		0 E		---	31
TOTAL	---	---	---	3.423	0.448	0	0.004	0.410	0.004	0.105	---	---	TOTAL
MEAN	---	---	---	0.114	0.014	0	0	0.013	0	0.003	---	---	MEAN
MAX	---	---	---	0.818	0.122	0	0.002	0.143	0.004	0.048	---	---	MAX
MIN	---	---	---	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.021
MAXIMUM DAILY, 0.818B ON APR 12
MINIMUM DAILY, 0B ON APR 1
MAXIMUM INSTANTANEOUS,
2.110 AT 18:52 MST ON APR 12

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 57 00 N
LONG 117 02 00 W
DRAINAGE AREA, 12.8 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.35
FEB	---	AUG	35.4
MAR	---	SEP	0.35
APR	285	OCT	9.07
MAY	38.5	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 360 dam³

KYISKAP CREEK NEAR GRANUM - STATION NO. 05AB038

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0278	0.008	0	0	0	0	0	0	---	1
2	---	---	0 B	0.0248	0.010	0	0	0	0	0	0	---	2
3	---	---	0 B	0.0208	0.026	0	0	0	0	0	0A	---	3
4	---	---	0 B	0.0158	0.023	0	0	0	0	0	---	---	4
5	---	---	0 B	0.0118	0.013	0	0	0	0	0	---	---	5
6	---	---	0 B	0.0108	0.007	0	0	0	0	0	---	---	6
7	---	---	0 B	0.0088	0.005	0	0	0	0	0	---	---	7
8	---	---	0 B	0.0078	0.004	0	0	0	0	0	---	---	8
9	---	---	0.0088	0.0068	0.002	0	0	0	0	0	---	---	9
10	---	---	0.0178	0.0068	0.001	0.003	0	0	0	0	---	---	10
11	---	---	0.0138	0.0048	0.001	0.001	0	0	0	0	---	---	11
12	---	---	0.0188	0.0038	0	0	0	0	0	0	---	---	12
13	---	---	0.0188	0.0068	0	0	0	0	0	0	---	---	13
14	---	---	0.0118	0.0128	0	0	0	0	0	0	---	---	14
15	---	---	0.0088	0.0318	0	0	0	0	0	0	---	---	15
16	---	---	0.0018	0.0578	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0.062	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0.024	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0.016	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0.013	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0.018	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0.038	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0.033	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0.024	0	0	0	0	0	0	---	---	24
25	---	---	0.0018	0.018	0	0	0	0	0	0	---	---	25
26	---	---	0.0038	0.017	0	0	0	0	0	0	---	---	26
27	---	0B	0.0048	0.033	0	0	0	0	0	0	---	---	27
28	---	0B	0.0068	0.044	0.001	0	0	0	0	0	---	---	28
29	---		0.0188	0.028	0.001	0	0	0	0	0	---	---	29
30	---		0.0388	0.014	0	0	0	0	0	0	---	---	30
31	---		0.0308		0		0	0		0		---	31
TOTAL	---	---	0.181	0.849	0.102	0.003	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.006	0.022	0.003	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.035	0.062	0.026	0.002	0	0	0	0	---	---	MAX
MIN	---	---	0	0.003	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.004
MAXIMUM DAILY, 0.062 ON APR 17
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.117 AT 01:30 MST ON APR 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 48 55 N
LONG 113 36 25 W
DRAINAGE AREA, 191 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	15.8	SEP	0
APR	55.1	OCT	0
MAY	6.61	NOV	---
JUN	0.26	DEC	---

TOTAL DISCHARGE, 80.6 dam³

L.N.I.D. - MONARCH BRANCH CANAL BELOW MONARCH HEADGATES - STATION NO. 05AC026

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0	3.18	7.31	5.86	0.748	1.27	---	---	1
2	---	---	---	---	0	3.18	8.81	6.00	0.828	1.24	---	---	2
3	---	---	---	---	0	3.15	8.87	6.22	0.845	1.86	---	---	3
4	---	---	---	---	0	3.13	9.34	4.80	0.888	2.03	---	---	4
5	---	---	---	---	0.085	3.10	10.1	4.84	0.588	2.01	---	---	5
6	---	---	---	---	0	3.35	11.0	4.54	0.886	2.31	---	---	6
7	---	---	---	---	0.286	3.69	11.9	4.38	0.883	2.44	---	---	7
8	---	---	---	---	2.84	4.25	12.0	3.84	0.828	2.38	---	---	8
9	---	---	---	---	0.777	3.82	12.0	3.16	0.476	1.82	---	---	9
10	---	---	---	---	1.20	3.42	12.3	2.81	0.466	2.30	---	---	10
11	---	---	---	---	1.67	3.14	12.7	2.81	0.578	3.18	---	---	11
12	---	---	---	---	1.84	2.26	12.6	2.88	0.886	2.06	---	---	12
13	---	---	---	---	1.82	1.83	11.8	2.86	0.703	1.09	---	---	13
14	---	---	---	---	1.48	2.18	10.5	3.21	0.781	0	---	---	14
15	---	---	---	---	1.48	2.30	10.4	3.31	0.733	0	---	---	15
16	---	---	---	---	1.67	2.26	10.1	3.30	0.716	0	---	---	16
17	---	---	---	---	1.84	2.22	10.0	3.12	0.888	0	---	---	17
18	---	---	---	---	2.61	2.21	10.1	3.16	0.886	0	---	---	18
19	---	---	---	---	2.76	2.23	10.3	3.33	0.672	0	---	---	19
20	---	---	---	---	2.67	2.38	10.3	3.29	0.886	0	---	---	20
21	---	---	---	---	2.65	3.03	9.41	3.38	0.676	0	---	---	21
22	---	---	---	---	2.78	3.61	8.48	3.08	0.887	0	---	---	22
23	---	---	---	---	5.05	4.10	8.70	2.87	0.842	0	---	---	23
24	---	---	---	---	6.36	4.16	8.73	2.78	0.884	0	---	---	24
25	---	---	---	---	6.63	4.23	7.94	2.62	0.819	0	---	---	25
26	---	---	---	---	5.89	4.40	7.73	2.47	0.830	0	---	---	26
27	---	---	---	---	5.36	4.85	6.06	2.36	1.01	0	---	---	27
28	---	---	---	---	4.81	6.36	7.17	1.69	1.11	0	---	---	28
29	---		---	---	3.88	6.78	8.44	1.33	1.18	0	---	---	29
30	---		---	---	3.43	7.46	8.32	0.883	1.23	0	---	---	30
31	---		---		3.32		8.08	0.801		0		---	31
TOTAL	---	---	---	---	73.180	108.24	293.38	101.473	21.178	24.38	---	---	TOTAL
MEAN	---	---	---	---	2.38	3.84	8.48	3.27	0.708	0.788	---	---	MEAN
MAX	---	---	---	---	6.36	7.46	12.7	6.08	1.23	3.44	---	---	MAX
MIN	---	---	---	---	0	1.83	6.08	0.801	0.466	0	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 12.7 ON JUL 11
MINIMUM DAILY, 0 ON MAY 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 00 N
LONG 113 12 00 W

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	25 300
FEB	---	AUG	8 770
MAR	---	SEP	1 830
APR	---	OCT	2 110
MAY	6 330	NOV	---
JUN	9 180	DEC	---

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REGULATED

LA BICHE RIVER AT HIGHWAY NO. 63 - STATION NO. 07CA011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.6888	0.5888	0.3688	0.3108	4.62	3.31	1.78	1.28	1.44	1.37	1.86 B	1.448	1
2	0.6388	0.5328	0.3648	0.3308	4.38	2.62	2.17	1.38	1.77	1.26	1.83 B	1.408	2
3	0.6628	0.4808	0.3608	0.3808	4.80	2.17	1.83	1.46	1.88	1.48	1.83 B	1.488	3
4	0.6468	0.4008	0.3558	0.3908	4.21	2.16	1.68	1.38	1.84	1.52	1.83 B	1.448	4
5	0.6298	0.3858	0.3508	0.4308	4.82	2.02	1.38	1.28	1.32	1.43	1.82 B	1.488	5
6	0.6378	0.3888	0.3458	0.4808	4.62	1.82	1.11	1.08	1.28	1.33	1.82 B	1.388	6
7	0.6188	0.3838	0.3428	0.4708	4.87	1.88	1.22	1.08	1.28	1.34	1.82 B	1.438	7
8	0.6348	0.3808	0.3408	0.5108	4.85	1.88	1.41	0.984	1.31	1.48	1.82 B	1.488	8
9	0.6088	0.3708	0.3388	0.5708	4.83A	1.85	1.47	0.921	1.14	1.38	1.88 B	1.588	9
10	0.7858	0.3608	0.3358	0.5908	---	2.08	1.22	0.901	1.08	1.38	1.03 B	1.838	10
11	0.7888	0.3488	0.3348	0.6108	---	1.88	1.11	0.875	1.08	1.47	0.8748	1.828	11
12	0.7788	0.3408	0.3348	0.6808	---	1.88	1.08	0.838	1.31	1.48	1.08 B	1.588	12
13	0.7748	0.3408	0.3358	0.6008	---	2.20	1.11	0.988	1.33	1.81	1.18 B	1.588	13
14	0.7788	0.3308	0.3378	1.80 B	---	2.43	1.12	0.921	1.31	1.88	1.30 B	1.888	14
15	0.7888	0.3288	0.3388	3.00 B	---	2.74	1.08	0.911	1.12	1.70	1.18 B	1.888	15
16	0.7438	0.3208	0.3408	4.80 B	---	3.14	1.04	0.918	1.11	1.88	1.28 B	1.848	16
17	0.7848	0.3188	0.3428	4.80 B	---	2.18	1.81	0.877	1.28	1.78	1.32 B	1.828	17
18	0.7818	0.3068	0.3438	4.80 B	---	2.16	1.84	1.10	1.28	2.40	1.40 B	1.878	18
19	0.6328	0.3008	0.3448	4.72 B	---	1.77	1.83	1.03	1.38	2.81	1.81 B	1.848	19
20	0.6388	0.2958	0.3408	4.85 E	---	1.48	1.38	1.12	1.48	1.88	1.44 B	1.488	20
21	0.6818	0.2908	0.3388	4.80 E	---	1.31	1.30	1.18	1.48	1.88	1.48 B	1.388	21
22	0.6018	0.2848	0.3388	4.80 E	---	1.30	1.23	1.20	1.40	1.81	1.42 B	1.398	22
23	0.6008	0.2848	0.3308	4.88 E	---	1.22	1.14	1.38	1.37	1.85	1.38 B	1.478	23
24	0.6488	0.2808	0.3258	4.88 E	---	1.18	1.22	1.37	1.81	2.02	1.54 B	1.508	24
25	0.6088	0.2788	0.3238	4.88 A	---	1.33	1.88	1.27	1.31	1.88	1.83 B	1.518	25
26	0.6118	0.2788	0.3218	4.84	---	1.18	1.87	1.24	1.28	1.82	1.38 B	1.538	26
27	0.6378	0.2708	0.3238	4.71	---	1.22	1.84	1.32	1.38	2.14	1.31 B	1.818	27
28	0.6808	0.2708	0.3288	4.68	---	1.18	1.82	1.32	1.21	2.14	1.48 B	1.848	28
29	0.6788		0.3288	4.48	---	1.08	2.08	1.11	1.21	1.88	1.48 B	1.828	29
30	0.6748		0.3508	4.87	3.37A	1.08	1.88	1.18	1.32	2.18	1.43 B	1.838	30
31	0.6098		0.2608		3.48		1.45	1.30		1.848		1.828	31
TOTAL	28.836	9.882	7.483	80.880	---	64.84	44.87	35.442	40.07	53.72	44.204	47.38	TOTAL
MEAN	0.824	0.348	0.241	2.88	---	1.82	1.44	1.14	1.34	1.73	1.47	1.83	MEAN
MAX	0.801	0.888	0.360	4.80	---	3.31	2.17	1.48	1.88	2.81	1.88	1.88	MAX
MIN	0.743	0.270	0.221	0.310	---	1.08	1.04	0.875	1.08	1.13	0.874	1.38	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MINIMUM DAILY, 0.2218 ON MAR 26

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 58 10 N
LONG 113 30 10 W
DRAINAGE AREA, 4 880 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 210	JUL	3 880
FEB	837	AUG	3 080
MAR	848	SEP	3 480
APR	8 870	OCT	4 840
MAY	---	NOV	3 820
JUN	4 710	DEC	4 080

LAC LA BICHE AT LAC LA BICHE - STATION NO. 07CA004

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	542.778	542.838	542.823	542.887E	---	---	543.073	543.139	543.142	543.118A	543.088	543.111	1
2	542.830	542.831	542.824	542.888E	---	---	543.083	543.135	543.140	543.118	543.088	543.113	2
3	542.830	542.828	542.826	542.874E	---	---	543.087	543.143	543.154	543.113	543.104	543.112	3
4	542.833	542.831	542.827	542.883E	---	---	543.078	543.138	543.182	543.118	543.110	543.113	4
5	542.832	542.831	542.830	542.893E	---	---	543.083	543.141	543.184	543.119	543.108	543.130	5
6	542.831	542.828	542.823	543.001A	---	---	543.088	543.138	543.181	543.118	543.108	543.130	6
7	542.831	542.824	542.823	543.002	---	---	543.088	543.136	543.183	543.118	543.112	543.121	7
8	542.830	542.827	542.832	543.003	---	---	543.103	543.133	543.188	543.132	543.118	543.127	8
9	542.832	542.828	542.833	543.005	543.004A	---	543.108	543.128	543.181	543.113	543.102	543.133	9
10	542.831	542.818	542.836	543.008	543.878A	---	543.117	543.122	543.138	543.118	543.118	543.132	10
11	542.824	542.817	542.838	543.008	---	---	543.118	543.132	543.132	543.113	543.107	543.132	11
12	542.818	542.823	542.839	543.008	---	---	543.118	543.136	543.128	543.111	543.100	543.132	12
13	542.818	542.838E	542.841	543.004	---	---	543.118	543.130	543.127	543.118	543.100	543.133	13
14	542.818	542.832E	542.844	542.888	---	---	543.128	543.134	543.130	543.112	543.105	543.143	14
15	542.817	542.826E	542.848	543.841	---	---	543.121	543.131	543.127	543.113	543.104	543.151	15
16	542.816	542.828E	542.848	542.887	---	---	543.131	543.131	543.128	543.107	543.103	543.151	16
17	542.813	542.828E	542.843	542.874	---	---	543.148	543.134	543.130	543.084	543.108	543.153	17
18	542.812	542.830E	542.838	542.873	---	---	543.153	543.126	543.126	543.084	543.108	543.154	18
19	542.810	542.836E	542.838	543.885	---	---	543.143	543.117	543.132	543.101	543.107	543.154	19
20	542.813	542.838E	542.841	543.851	---	543.032A	543.148	543.118	543.131	543.104	543.110	543.188	20
21	542.808	542.837E	542.840	542.870	---	543.028	543.148	543.117	543.140	543.107	543.108	543.185	21
22	542.812	542.838A	542.838	542.877	---	543.080	543.188	543.121	543.114	543.107	543.110	543.187	22
23	542.818	542.838E	542.838	542.878	---	543.051	543.153	543.130	543.120	543.108	543.111	543.187	23
24	542.814	542.833E	542.841	542.878	---	543.058	543.148	543.133	543.138	543.108	543.110	543.183	24
25	542.814	542.828E	542.838	542.883	---	543.088	543.148	543.133	543.114	543.109	543.111	543.185	25
26	542.811	542.828E	542.843	542.881	---	543.084	543.142	543.134	543.131	543.101	543.111	543.187	26
27	542.807	542.822E	542.843	543.857	---	543.088	543.138	543.128	543.131	543.108	543.112	543.182	27
28	542.808	542.818A	542.838	543.003	---	543.083	543.147	543.132	543.121	543.112	543.110	543.184	28
29	542.807		542.838	543.008	---	543.087	543.143	543.138	543.121	543.108	543.107	543.181	29
30	542.828		542.838A	---	---	543.073	543.142	543.144	543.123A	543.117	543.110	543.183	30
31	542.831		542.848E		543.008A		543.138	543.142		543.108		543.183	31
MEAN	542.818	542.828	542.837	---	---	---	543.123	543.130	543.134	543.110	543.108	543.142	MEAN
MAX	542.833	542.838	542.848	---	---	---	543.188	543.144	543.183	543.132	543.118	543.188	MAX
MIN	542.778	542.817	542.823	---	---	---	543.073	543.118	543.114	543.084	543.088	543.111	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 543.188 ON DEC 28
MINIMUM DAILY, 542.778 ON JAN 1
MAXIMUM INSTANTANEOUS,
543.211 AT 15:41 MST ON SEP 7

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 48 31 N
LONG 111 59 14 W

A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW
DRAINAGE AREA,
4 330 km²

LAC LA NONNE AT LAC LA NONNE - STATION NO. 07BB007

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	883.408	---	883.437	883.494	883.501	883.509	883.518	883.552	---	---	1
2	---	---	---	---	883.437	883.494	883.498	883.509	883.506	883.552	---	---	2
3	---	---	---	---	883.437	883.494	883.497	---	883.507	883.552	---	---	3
4	---	---	---	---	883.427	883.498	883.492	883.518	883.507	883.542	---	---	4
5	---	---	---	---	883.427	883.495	883.502	883.520	883.507	883.542	---	---	5
6	---	---	---	---	883.428	883.495	883.497	883.510	883.507	883.542	---	---	6
7	---	---	---	---	883.428	883.495	883.498	883.510	883.508	883.532	---	---	7
8	---	---	---	---	883.428	883.494	---	883.510	883.508	883.532	---	---	8
9	---	---	---	---	883.428	883.498	---	883.511	883.508	883.532	---	---	9
10	---	---	---	---	883.428	883.498	---	883.511	883.578	883.532	---	---	10
11	---	---	---	---	883.428	883.495	883.504	883.508	883.578	883.522	---	---	11
12	---	---	---	883.387	883.428	883.497	883.514	883.508	883.578	883.522	---	---	12
13	---	---	---	---	883.428	883.497	883.524	883.507	883.578	883.522	---	---	13
14	---	---	---	---	883.430	883.497	883.524	883.502	883.588	883.522	---	---	14
15	---	---	---	---	883.430	883.507	883.528	883.502	883.588	883.522	---	---	15
16	---	---	---	---	883.420	883.508	883.530	883.507	883.570	883.522	---	---	16
17	---	---	---	---	883.420	883.508	883.530	883.513	883.570	---	---	---	17
18	---	---	---	883.417	---	883.498	883.530	883.513	883.570	---	---	---	18
19	---	---	---	---	---	883.498	883.528	883.513	883.570	---	---	---	19
20	---	---	---	---	---	883.498	883.528	883.513	883.571	---	---	---	20
21	---	---	---	---	---	883.518	883.528	883.513	883.571	---	---	---	21
22	---	---	883.387	---	883.481	883.518	883.528	883.514	883.571	---	---	---	22
23	---	---	---	---	883.487	883.508	883.528	883.514	883.571	---	---	---	23
24	---	---	---	---	883.487	883.508	883.522	883.504	883.582	---	---	---	24
25	---	---	---	---	883.482	883.500	883.522	883.504	883.582	---	---	---	25
26	---	---	---	---	883.482	883.495	883.517	883.505	883.585	---	---	---	26
27	---	---	---	---	883.488	883.500	---	883.505	883.557	---	---	---	27
28	---	---	---	---	883.488	883.500	883.518	883.505	883.557	---	---	---	28
29	---		---	---	883.488	883.501	883.508	883.514	883.552	---	---	---	29
30	---		---	---	883.488	883.501	883.508	883.518	883.552	---	---	---	30
31	---		---		883.494		883.508	883.518		883.517		---	31
MEAN	---	---	---	---	---	883.500	---	---	883.578	---	---	---	MEAN
MAX	---	---	---	---	---	883.518	---	---	883.518	---	---	---	MAX
MIN	---	---	---	---	---	883.494	---	---	883.552	---	---	---	MIN

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 54 41 N
LONG 114 15 43 W

NATURAL FLOW

DRAINAGE AREA, 358 km²

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

LAC STE. ANNE AT ALBERTA BEACH - STATION NO. 05EA005

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	723.111	---	723.283	723.424	723.385	---	723.120	1
2	---	---	---	---	---	723.111	723.092	723.283	723.424	723.385	---	---	2
3	---	---	---	---	---	723.121	723.092	---	723.430	723.385	---	---	3
4	---	---	---	---	722.949	723.121	---	---	723.444	723.368	---	---	4
5	---	---	---	---	---	723.118	723.072	723.313	723.484	723.385	---	---	5
6	---	---	---	---	---	723.121	723.072	723.313	723.484	723.338	---	---	6
7	---	---	---	---	---	723.121	723.072	723.313	---	723.338	---	---	7
8	---	---	---	---	---	723.121	---	723.313	723.480	---	---	---	8
9	---	---	---	---	722.980	723.121	723.232	723.313	---	723.328	---	---	9
10	---	---	---	---	722.980	723.121	723.232	723.313	723.434	723.328	---	---	10
11	---	---	---	---	722.980	723.121	723.262	723.323	723.434	723.318	---	---	11
12	---	---	---	722.837	722.980	723.121	723.262	723.323	723.434	723.308	---	---	12
13	---	---	---	---	722.980	723.121	723.272	723.333	723.434	723.308	---	---	13
14	---	---	---	---	722.980	723.111	723.262	723.323	723.434	723.298	---	---	14
15	---	---	---	---	722.980	---	723.262	723.323	723.434	723.298	---	---	15
16	---	---	---	---	722.980	723.111	723.262	723.333	---	723.288	---	---	16
17	---	---	---	---	722.980	723.111	723.282	---	723.424	723.278	---	---	17
18	---	---	---	---	722.980	723.111	723.282	723.383	723.428	723.268	---	---	18
19	---	---	---	---	722.980	723.111	723.282	723.383	723.428	723.268	---	---	19
20	---	---	---	722.887	---	---	723.312	723.384	723.418	723.268	---	---	20
21	---	---	---	---	---	723.111	723.313	723.384	723.418	723.268	---	---	21
22	---	---	722.776	---	---	723.112	723.303	---	---	723.248	---	---	22
23	---	---	---	---	---	723.102	723.303	723.384	723.408	723.240	---	---	23
24	---	---	---	---	---	723.102	723.313	723.374	723.408	723.245	---	---	24
25	---	---	---	---	723.101	723.102	723.313	---	723.388	723.288	---	---	25
26	---	---	---	---	723.101	723.102	723.313	723.384	723.388	723.255	---	---	26
27	---	---	---	---	723.101	723.082	723.313	723.404	723.388	---	---	---	27
28	---	722.789	---	---	723.101	723.092	723.313	723.404	723.378	723.248	---	---	28
29	---	---	---	---	723.101	723.092	723.303	723.414	723.378	723.238	---	---	29
30	---	---	---	---	723.111	723.092	723.303	---	---	723.238	---	---	30
31	---	---	---	---	---	---	723.293	723.417	---	723.230	---	---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 40 38 N
LONG 114 21 27 W

DRAINAGE AREA, 702 km²

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

LAFOND CREEK NEAR RED EARTH CREEK - STATION NO. 07JC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0208	0.0188	10.8	3.88	0.886	0.082	0.243	1.00	---	---	1
2	---	---	0.0228	0.0218	12.1	3.83	0.871	0.088	0.273	1.87	---	---	2
3	---	---	0.0188	0.0268	13.0	3.41	0.686	0.118	0.282	2.32	---	---	3
4	---	---	0.0188	0.0188	12.3	2.86	0.550	0.115	0.286	2.38	---	---	4
5	---	---	0.0168	0.0158	10.7	2.83	0.896	0.112	0.389	2.26	---	---	5
6	---	---	0.0188	0.0228	9.36	2.48	0.840	0.130	0.385	2.24	---	---	6
7	---	---	0.0188	0.0228	8.34	2.31	0.830	0.188	0.412	2.17	---	---	7
8	---	---	0.0188	0.0198	7.18	2.30	0.510	0.183	0.400	1.87	---	---	8
9	---	---	0.0148	0.0238	6.27	2.22	0.830	0.151	0.388	1.80	---	---	9
10	---	---	0.0128	0.0388	5.52	2.54	0.518	0.128	0.281	1.78	---	---	10
11	---	---	0.0128	0.0628	5.30	2.85	0.480	0.104	0.324	1.83	---	---	11
12	---	---	0.0128	0.0728	4.80	2.43	0.440	0.112	0.183	1.87	---	---	12
13	---	---	0.0118	0.1048	4.02	1.84	0.438	0.108	0.180	1.48	---	---	13
14	---	---	0.0148	0.2808	3.80	1.81	0.348	0.077	0.140	1.47	---	---	14
15	---	---	0.0148	0.4488	3.18	1.40	0.274	0.068	0.184	1.83	---	---	15
16	---	---	0.0138	0.5068	2.78	1.28	0.187	0.048	0.188	1.34	---	---	16
17	---	---	0.0138	0.3628	2.47	1.18	0.152	0.112	0.208	1.23	---	---	17
18	---	---	0.0188	0.5388	2.30	1.21	0.128	0.088	0.171	1.20	---	---	18
19	---	---	0.0188	0.5938	2.10	1.21	0.098	0.078	0.128	1.16	---	---	19
20	---	---	0.0178	0.6068	3.02	1.22	0.088	0.088	0.088	1.17	---	---	20
21	---	0.0318	0.0178	0.6488	4.24	1.11	0.118	0.080	0.208	1.23	---	---	21
22	---	0.0298	0.0188	1.14 B	5.40	1.02	0.106	0.088	0.210	1.32	---	---	22
23	---	0.0308	0.0238	2.38 B	5.34	0.984	0.106	0.128	0.200	1.07	---	---	23
24	---	0.0308	0.0218	4.38 B	5.78	0.934	0.081	0.188	0.198	1.00	---	---	24
25	---	0.0268	0.0268	5.90 B	6.86	0.928	0.088	0.188	0.232	0.980	---	---	25
26	---	0.0288	0.0208	7.07 B	8.00	0.848	0.088	0.118	0.217	0.820	---	---	26
27	---	0.0288	0.0188	8.71	8.76	0.788	0.092	0.176	0.220	0.818	---	---	27
28	---	0.0238	0.0188	7.02	5.78	0.788	0.098	0.271	0.207	0.814	---	---	28
29	---		0.0178	7.88	5.89	0.704	0.088	0.308	0.281	0.8068	---	---	29
30	---		0.0148	8.81	4.84	0.883	0.074	0.288	1.31	0.7228	---	---	30
31	---		0.0188		4.37		0.070	0.257		0.6788		---	31
TOTAL	---	---	0.488	88.832	190.09	52.908	8.372	4.130	8.031	43.984	---	---	TOTAL
MEAN	---	---	0.018	1.88	6.13	1.78	0.302	0.133	0.288	1.42	---	---	MEAN
MAX	---	---	0.028	8.81	13.0	3.88	0.871	0.308	1.31	2.38	---	---	MAX
MIN	---	---	0.011	0.018	2.10	0.883	0.070	0.048	0.088	0.722	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.49
MAXIMUM DAILY, 13.0 ON MAY 3
MINIMUM DAILY, 0.0118 ON MAR 13
MAXIMUM INSTANTANEOUS,
13.2 AT 21:00 MST ON MAY 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 04 40 N
LONG 118 05 30 W
DRAINAGE AREA, 491 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	810
FEB	---	AUG	367
MAR	43.1	SEP	884
APR	4 810	OCT	3 900
MAY	16 900	NOV	---
JUN	4 670	DEC	---

TOTAL DISCHARGE, 31 600 dam³

LAKE ABRAHAM NEAR NORDEGG - STATION NO. 05DC005

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1308.38	1304.48	1302.09	1298.21	1293.10	1287.70	1298.71	1308.84	1314.28	1315.18	1312.67	1310.84	1
2	1308.37	1304.38	1301.98	1298.07	1292.84	1288.21	1298.88	1308.93	1314.30	1315.16	1313.86	1310.73	2
3	1308.17	1304.33	1301.88	1297.91	1292.56	1288.71	1299.04	1309.38	1314.37	1315.18	1313.80	1310.65	3
4	1308.10	1304.24	1301.74	1297.78	1292.33	1288.18	1299.18	1309.74	1314.39	1315.21	1313.61	1310.55	4
5	1308.09	1304.18	1301.88	1297.88	1291.88	1289.67	1299.30	1310.04	1314.44	1315.21	1313.32	1310.44	5
6	1308.88	1304.08	1301.62	1297.44	1291.75	1290.17	1299.45	1310.35	1314.50	1315.16	1313.24	1310.33	6
7	1308.85	1304.00	1301.41	1297.28	1291.83	1290.71	1299.63	1310.67	1314.57	1315.08	1313.19	1310.25	7
8	1308.81	1303.83	1301.30	1297.12	1291.81	1291.13	1299.81	1310.98	1314.68	1315.04	1313.08	1310.12	8
9	1308.78	1303.85	1301.18	1296.95	1291.37	1291.84	1300.17	1311.26	1314.74	1315.00	1312.98	1310.03	9
10	1308.71	1303.76	1301.07	1296.77	1291.30	1292.00	1300.42	1311.48	1314.78	1315.00	1312.90	1309.95	10
11	1308.87	1303.88	1300.98	1296.84	1291.17	1292.50	1300.74	1311.72	1314.84	1315.01	1312.83	1309.80	11
12	1308.88	1303.88	1300.85	1296.62	1290.98	1293.11	1301.08	1311.85	1314.83	1315.02	1312.78	1309.68	12
13	1308.88	1303.82	1300.75	1296.34	1290.78	1293.76	1301.43	1312.10	1314.88	1315.03	1312.85	1309.58	13
14	1308.81	1302.44	1300.63	1296.16	1290.80	1294.48	1301.85	1312.28	1314.91	1315.01	1312.83	1309.42	14
15	1308.48	1303.35	1300.51	1295.02	1290.37	1295.34	1302.34	1312.48	1314.93	1314.98	1312.48	1309.32	15
16	1308.42	1303.27	1300.38	1295.87	1290.14	1296.02	1302.80	1312.68	1314.88	1314.93	1312.32	1309.20	16
17	1308.38	1303.20	1300.28	1295.71	1289.81	1296.34	1303.40	1312.82	1315.05	1314.86	1312.22	1309.09	17
18	1308.30	1303.11	1300.12	1295.58	1289.88	1296.48	1303.82	1313.08	1315.06	1314.79	1312.11	1308.96	18
19	1308.28	1303.03	1300.00	1295.44	1289.88	1296.57	1304.18	1313.24	1315.08	1314.73	1311.98	1308.85	19
20	1308.18	1302.94	1299.87	1295.32	1289.28	1296.73	1304.64	1313.42	1315.09	1314.65	1311.87	1308.74	20
21	1308.14	1302.88	1299.74	1295.18	1288.87	1296.81	1305.01	1313.58	1315.08	1314.54	1311.78	1308.63	21
22	1308.08	1302.78	1299.60	1295.11	1288.85	1296.90	1305.37	1313.78	1315.08	1314.48	1311.87	1308.51	22
23	1308.04	1302.88	1299.48	1295.02	1288.88	1297.08	1305.88	1313.89	1315.09	1314.37	1311.87	1308.40	23
24	1304.97	1302.58	1299.33	1294.93	1288.81	1297.28	1305.84	1313.97	1315.12	1314.32	1311.48	1308.31	24
25	1304.93	1302.47	1299.18	1294.77	1288.33	1297.48	1306.21	1314.01	1315.18	1314.28	1311.38	1308.21	25
26	1304.83	1302.37	1299.05	1294.44	1288.13	1297.71	1306.48	1314.07	1315.21	1314.18	1311.32	1308.10	26
27	1304.77	1302.27	1298.81	1294.13	1287.97	1298.00	1306.78	1314.13	1315.18	1314.09	1311.24	1308.00	27
28	1304.70	1303.18	1298.78	1293.83	1287.81	1298.19	1307.10	1314.16	1315.14	1314.02	1311.10	1307.83	28
29	1304.64		1298.84	1293.53	1287.81	1298.34	1307.44	1314.19	1315.14	1313.92	1311.03	1307.83	29
30	1304.58		1298.48	1293.33	1287.78	1298.48	1307.78	1314.22	1315.16	1313.81	1310.81	1307.74	30
31	1304.63		1298.35		1287.41		1308.13	1314.26		1313.74		1307.84	31
MEAN	1305.40	1303.37	1300.31	1296.86	1290.08	1294.22	1302.88	1312.31	1314.87	1314.71	1312.34	1308.32	MEAN
MAX	1308.38	1304.48	1302.09	1298.21	1293.10	1298.48	1308.13	1314.26	1315.21	1315.21	1313.87	1310.84	MAX
MIN	1304.53	1302.18	1298.35	1293.33	1287.41	1287.70	1298.71	1308.84	1314.28	1313.74	1310.81	1307.84	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 1304.88
MAXIMUM DAILY, 1315.21 ON SEP 28
MINIMUM DAILY, 1287.41 ON MAY 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 18 28 N
LONG 116 19 42 W
DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED SINCE 1972

DRAINAGE AREA,
3 880 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE ATHABASCA AT BUSTARD ISLAND - STATION NO. 07MD002

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	208.534	208.587	208.498	208.448	208.454	209.139	209.393	209.613	209.644	209.445	209.223	209.080	1
2	208.504	208.545	208.508	208.453	208.470	209.100	209.401	209.575	209.640	209.382	209.232	209.104	2
3	208.512	208.548	208.488	208.449	208.477	209.127	209.439	209.786	209.618	209.417	209.212	209.078	3
4	208.548	208.541	208.487	208.450	208.484	209.170	209.628	209.864	209.630	209.288	209.209	209.078	4
5	208.597	208.537	208.525	208.453	208.532	209.221	209.384	209.612	209.643	209.422	209.184	209.088	5
6	208.615	208.534	208.521	208.431	208.545	209.288	209.390	209.582	209.606	209.358	209.185	209.088	6
7	208.624	208.537	208.487	208.431	208.600	209.180	209.414	209.585	209.640	209.407	209.171	208.978	7
8	208.621	208.541	208.505	208.431	208.643	209.218	209.450	209.591	209.652	209.350	209.222	209.070	8
9	208.628	208.529	208.488	208.424	208.701	209.298	209.495	209.617	209.682	209.386	209.170	209.080	9
10	208.627	208.523	208.487	208.430	208.748	209.269	209.470	209.618	209.699	209.299	209.188	209.048	10
11	208.607	208.535	208.480	208.430	208.772	209.284	209.478	209.611	209.624	209.287	209.108	209.080	11
12	208.625	208.520	208.469	208.408	208.786	209.286	209.491	209.700	209.668	209.388	209.118	209.058	12
13	208.587	208.528	208.461	208.407	208.813	209.275	209.482	209.643	209.685	209.360	209.106	209.072	13
14	208.607	208.518	208.482	208.413	208.827	209.280	209.480	209.633	209.675	209.387	209.103	209.077	14
15	208.623	208.518	208.486	208.408	208.835	209.278	209.511	209.614	209.679	209.397	209.114	209.048	15
16	208.613	208.517	208.483	208.403	208.853	209.259	209.528	209.673	209.607	209.318	209.100	209.048	16
17	208.611	208.506	208.485	208.410	208.872	209.305	209.531	209.689	209.604	209.287	209.158	209.038	17
18	208.603	208.511	208.480	208.414	208.883	209.300	209.477	209.634	209.548	209.286	209.158	209.038	18
19	208.613	208.508	208.448	208.411	208.931	209.304	209.510	209.578	209.547	209.301	209.101	209.044	19
20	208.628	208.504	208.486	208.412	208.982	209.300	209.573	209.724	209.537	209.321	209.118	209.038	20
21	208.618	208.513	208.487	208.413	208.943	209.287	209.575	209.605	209.583	209.280	209.130	209.034	21
22	208.601	208.508	208.480	208.388	208.938	209.328	209.533	209.755	209.482	209.337	209.087	209.032	22
23	208.607	208.497	208.447	208.409	208.957	209.338	209.520	209.604	209.485	209.278	209.182	209.010	23
24	208.611	208.497	208.451	208.409	208.985	209.443	209.836	209.558	209.497	209.308	209.146	209.018	24
25	208.609	208.511	208.482	208.421	208.991	209.387	209.829	209.694	209.527	209.289	209.102	209.018	25
26	208.609	208.504	208.448	208.428	208.988	209.434	209.810	209.818	209.490	209.319	209.080	209.008	26
27	208.581	208.488	208.458	208.430	209.008	209.427	209.804	209.847	209.438	209.377	209.100	209.008	27
28	208.601	208.483	208.471	208.434	209.060	209.376	209.882	209.824	209.487	209.218	209.104	209.005	28
29	208.574		208.484	208.437	209.085	209.383	209.883	209.808	209.617	209.241	209.078	208.887	29
30	208.588		208.464	208.447	209.071	209.388	209.885	209.804	209.617	209.315	209.102	208.882	30
31	208.586		208.445		209.133		209.811	209.834		209.248		208.901	31
MEAN	208.607	208.530	208.471	208.425	208.818	209.288	209.510	209.842	209.570	209.334	209.145	209.045	MEAN
MAX	208.634	208.587	208.525	208.453	209.133	209.443	209.836	209.805	209.682	209.445	209.232	209.104	MAX
MIN	208.586	208.488	208.445	208.388	208.484	209.100	209.384	209.558	209.438	209.219	209.078	208.882	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 209.035
MAXIMUM DAILY, 209.805 ON AUG 21
MINIMUM DAILY, 208.388 ON APR 22
MAXIMUM INSTANTANEOUS,
209.928 AT 22:20 MST ON AUG 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 46 55 N
LONG 110 46 40 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REGULATED SINCE 1967

DRAINAGE AREA,
271 000 km²

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

LAKE ATHABASCA AT FORT CHIPEWYAN - STATION NO. 07MD001

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	208.388E	208.291	208.091	208.377	209.070E	209.387	209.588	---	209.233	209.183	208.984	1
2	---	208.381E	208.299	208.095	208.426	209.080A	209.381	209.589	---	209.085	209.150	209.028	2
3	---	208.393E	208.291	208.081	208.461	209.085	209.442	209.831	---	209.088	209.134	208.889	3
4	---	208.388E	208.278	208.093	208.508	209.153	209.387	209.883	---	208.933	209.131	209.000	4
5	208.571A	208.388E	208.284	208.110	208.577	209.188	209.354	209.668	---	209.428	209.133	209.012	5
6	208.571	208.400E	208.280	208.103	208.652	209.309	209.330	209.521	---	209.319	209.101	209.018	6
7	208.574	208.402	208.238	208.088	208.682	209.133	209.387	209.648	---	209.382	209.087	209.002	7
8	208.574	208.388	208.241	208.090	208.688	209.177	209.424	209.671	---	209.313	209.141	208.888	8
9	208.584	208.400	208.212	208.084	208.680	209.335	209.478	209.591	---	209.334	209.084	208.872	9
10	208.588	208.380	208.219	208.080	208.624	209.238	209.488	209.588	---	209.193	209.111	208.861	10
11	208.630	208.381	208.218	208.108	208.780	209.284	209.472	209.588	---	209.387	209.038	209.000	11
12	208.642	208.387	208.202	208.088	208.781	209.263	209.478	209.682	209.884A	209.381	209.037	208.874	12
13	208.603	208.388	208.182	208.085	208.782	209.230	209.482	209.642	209.813A	209.341	209.034	208.881	13
14	208.608	208.388	208.188	208.089	208.781	209.208	209.487	209.618	209.808E	209.388	209.018	208.885	14
15	208.633	208.388	208.181	208.088	---	209.223	209.480	209.588	209.804A	209.382	209.039	208.882	15
16	208.607	208.381	208.183	208.027	---	209.247	209.808	209.670	209.573	209.288	209.100	208.887	16
17	208.608	208.382	208.203	208.038	---	209.380	209.815	209.888	209.559	209.074	209.086	208.841	17
18	208.487	208.382	208.203	208.042	---	209.333	209.812	209.588	209.531	209.184	209.100	208.848	18
19	208.477	208.388	208.188	208.025	---	209.281	209.430	209.478	209.518	209.207	209.048	208.832	19
20	208.488	208.387	208.177	208.048	---	209.276	209.883	---	209.488	209.230	209.081	---	20
21	208.482	208.370	208.188	208.055	---	209.270	209.841	---	209.808E	209.191	209.085	---	21
22	208.444	208.373	208.180	208.025	---	209.308	209.832	---	209.813E	209.278	209.024	---	22
23	208.445	208.348	208.184	208.083	---	209.310	209.381	---	209.818E	209.184	209.088	---	23
24	208.481	208.332	208.188	208.081	---	209.488	209.814	---	209.828E	209.237	209.077	---	24
25	208.442	208.330	208.189	208.088	---	209.386	209.887	---	209.833A	209.182	209.021	---	25
26	208.430	208.318	208.183	208.118	---	209.447	209.879	---	209.473	209.246	209.011	---	26
27	208.401	208.280	208.183	208.181	---	209.448	209.880	---	209.347	209.358	209.020	---	27
28	208.417	208.288	208.178	208.183	---	209.338	209.844	---	209.418	209.103	209.032	---	28
29	208.382		208.181	208.268	---	209.338	209.873	---	209.438	208.188	208.883	---	29
30	208.384E		208.123	208.338	---	209.369	209.838	---	209.884	209.382	209.018	---	30
31	208.388E		208.108		---		209.887	208.878A		209.188		---	31
MEAN	---	208.388	208.203	208.098	---	209.273	209.472	---	---	208.241	209.071	---	MEAN
MAX	---	208.402	208.288	208.338	---	209.488	209.814	---	---	209.428	209.183	---	MAX
MIN	---	208.288	208.108	208.025	---	209.070	208.330	---	---	208.933	208.883	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MINIMUM DAILY, 208.025 ON APR 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 42 40 N
LONG 111 08 50 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1967

DRAINAGE AREA,
271 000 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE CLAIRE NEAR OUTLET TO PRAIRIE RIVER - STATION NO. 07KF002

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	209.148	209.082	209.107	---	---	209.822A	209.548	209.478	209.523	209.388	209.227	209.185	1
2	209.151	209.082	209.108	---	---	209.838	209.555	209.471	209.536	209.378	209.214	209.183	2
3	209.152	209.082	209.108	---	---	209.850	209.536	209.420	209.547	209.387	209.208	209.174	3
4	209.151	209.084	209.104	---	---	209.858	209.542	209.474	209.548	209.522	209.217	209.175	4
5	209.147	209.086	209.101	---	---	209.874	209.573	209.501	209.563	209.398	209.208	209.175	5
6	209.085	209.083	209.101	---	---	209.863	209.576	209.506	209.523	209.388	209.192	209.188	6
7	209.082	209.080	209.095	---	---	209.841	209.558	209.481	209.586	209.340	209.191	209.178	7
8	209.082	209.087	209.094	---	---	209.817	209.538	209.462	209.540	209.392	209.184	209.178	8
9	209.083	209.091	209.088	---	---	209.803	209.538	209.448	209.472	209.338	209.207	209.183	9
10	209.084	209.083	209.087	---	---	209.816	209.528	209.484	209.451	209.412	209.204	209.177	10
11	209.088	209.085	209.097	209.080A	---	209.800	209.524	209.478	209.445	209.321	209.224	209.172	11
12	209.080	209.087	209.095	---	---	209.806	209.530	209.470	209.482	209.278	209.232	209.182A	12
13	209.083	209.088	209.085	---	---	209.808	209.520	209.472	209.454	209.284	209.236	209.172	13
14	209.082	209.087	209.083	---	---	209.808	209.528	209.484	209.488	209.288	209.228	209.173	14
15	209.081	209.086	209.091	---	---	209.826	209.513	209.487	209.463	209.277	209.214	209.182	15
16	209.081	209.092	209.088	---	---	209.848	209.517	209.488	209.416	209.308	209.204	209.188	16
17	209.088	209.092	209.088	---	---	209.858	209.527	209.444	209.457	209.285	209.228	209.188	17
18	209.088A	209.093	209.084	---	---	209.858	209.564	209.420	209.430	209.288	209.194	209.188	18
19	209.082	209.092	209.081	---	209.828A	209.812	209.570	209.440	209.480	209.258	209.195	---	19
20	209.089	209.082	209.077	---	---	209.835	209.491	209.348	209.441	209.259	209.207	---	20
21	209.088	209.092	209.087	---	---	209.808	209.536	209.288	209.401	209.259	209.203	---	21
22	209.088	209.091	209.087	---	---	209.881	209.581	209.290	209.388	209.226	209.203	---	22
23	209.071	209.084	209.085	---	---	209.867	209.601	209.481	209.437	209.284	209.188	---	23
24	209.073	209.088	209.080	---	---	209.487	209.480	209.484	209.459	209.229	209.200	---	24
25	209.074	209.100	209.045	---	---	209.834	209.493	209.484	209.382	209.252	209.186	---	25
26	209.077	209.088	209.038	---	---	209.817	209.478	209.808	209.401	209.210	209.193	---	26
27	209.080	209.101	209.033	---	---	209.812	209.484	209.492	209.486	209.140	209.198	---	27
28	209.080	209.110A	209.027	---	---	209.841	209.488	209.487	209.388	209.287	209.188	---	28
29	209.077		209.027A	---	---	209.863	209.543	209.803	209.387	209.224	209.208	---	29
30	209.078		209.028E	---	---	209.863	209.484	209.812	209.332	209.208	209.194	---	30
31	209.080		209.020E	---	---		209.472	209.814		209.238		---	31
MEAN	209.080	209.093	209.078	---	---	209.893	209.530	209.488	209.481	209.300	209.207	---	MEAN
MAX	209.152	209.110	209.107	---	---	209.880	209.601	209.814	209.586	209.522	209.234	---	MAX
MIN	209.082	209.082	209.020	---	---	209.487	209.472	209.298	209.332	209.140	209.184	---	MIN

SUMMARY FOR THE YEAR 1989

WATER LEVELS IN METRES

MAXIMUM DAILY, 209.880 ON JUN 3

MAXIMUM INSTANTANEOUS,
209.878 AT 15:00 MST ON JUN 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 38 00 N
LONG 111 41 00 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1987

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

LAKE MINNEWANKA NEAR BANFF - STATION NO. 05BD003

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1472.58	1472.07	1471.03	1468.80	1468.58	1468.35	1470.78	1472.35	1474.17	1474.81	1474.88	1474.20	1
2	1472.58	1472.01	1470.97	1468.78	1468.55	1468.38	1470.85	1472.27	1474.25	1474.81	1474.87	1474.20	2
3	1472.60	1471.97	1470.92	1468.69	1468.51	1468.45	1470.89	1472.28	1474.32	1474.79	1474.88	1474.17	3
4	1472.58	1471.92	1470.92	1468.63	1468.49	1468.52	1470.95	1472.34	1474.41	1474.78	1474.87	1474.16	4
5	1472.58	1471.89	1470.91	1468.58	1468.46	1468.60	1471.00	1472.38	1474.48	1474.77	1474.87	1474.11	5
6	1472.58	1471.84	1470.88	1468.50	1468.47	1468.71	1471.05	1472.41	1474.56	1474.77	1474.87	1474.06	6
7	1472.57	1471.80	1470.85	1468.44	1468.51	1468.79	1471.10	1472.46	1474.62	1474.78	1474.85	1474.02	7
8	1472.57	1471.76	1470.81	1468.38	1468.53	1468.87	1471.15	1472.49	1474.65	1474.78	1474.88	1473.99	8
9	1472.58	1471.72	1470.78	1468.32	1468.54	1468.88	1471.20	1472.53	1474.70	1474.78	1474.85	1473.98	9
10	1472.54	1471.68	1470.77	1468.27	1468.58	1468.89	1471.28	1472.58	1474.76	1474.78	1474.87	1473.94	10
11	1472.48	1471.65	1470.78	1468.21	1468.57	1468.91	1471.31	1472.62	1474.78	1474.77	1474.87	1473.90	11
12	1472.47	1471.64	1470.78	1468.18	1468.57	1468.91	1471.38	1472.67	1474.77	1474.77	1474.84	1473.86	12
13	1472.48	1471.58	1470.71	1468.11	1468.60	1468.43	1471.43	1472.70	1474.79	1474.78	1474.83	1473.83	13
14	1472.48	1471.55	1470.67	1468.07	1468.61	1468.53	1471.48	1472.74	1474.81	1474.77	1474.82	1473.80	14
15	1472.46	1471.51	1470.62	1468.04	1468.58	1468.58	1471.54	1472.73	1474.81	1474.77	1474.80	1473.78	15
16	1472.43	1471.47	1470.58	1468.01	1468.54	1468.79	1471.59	1472.78	1474.84	1474.78	1474.80	1473.73	16
17	1472.40	1471.42	1470.52	1468.07	1468.51	1468.88	1471.64	1472.68	1474.88	1474.74	1474.88	1473.70	17
18	1472.38	1471.40	1470.50	1468.03	1468.48	1468.87	1471.68	1472.68	1474.85	1474.74	1474.85	1473.68	18
19	1472.38	1471.38	1470.47	1468.00	1468.43	1470.04	1471.74	1472.73	1474.88	1474.74	1474.85	1473.63	19
20	1472.33	1471.38	1470.41	1468.06	1468.41	1470.11	1471.78	1473.28	1474.86	1474.72	1474.84	1473.58	20
21	1472.33	1471.30	1470.38	1468.03	1468.43	1470.17	1471.84	1472.38	1474.86	1474.74	1474.81	1473.51	21
22	1472.33	1471.27	1470.28	1468.02	1468.43	1470.23	1471.88	1473.45	1474.86	1474.74	1474.47	1473.47	22
23	1472.28	1471.23	1470.23	1468.02	1468.38	1470.28	1471.93	1473.84	1474.86	1474.74	1474.44	1473.45	23
24	1472.28	1471.13	1470.21	1468.77	1468.37	1470.34	1471.88	1473.81	1474.87	1474.74	1474.41	1473.44	24
25	1472.23	1471.17	1470.18	1468.74	1468.34	1470.41	1472.01	1473.87	1474.88	1474.73	1474.39	1473.42	25
26	1472.20	1471.15	1470.17	1468.70	1468.31	1470.47	1472.03	1473.73	1474.88	1474.73	1474.37	1473.39	26
27	1472.18	1471.12	1470.11	1468.68	1468.34	1470.54	1472.07	1473.80	1474.83	1474.72	1474.34	1473.36	27
28	1472.17	1471.08	1470.08	1468.61	1468.38	1470.61	1472.13	1473.87	1474.81	1474.72	1474.31	1473.33	28
29	1472.14		1470.05	1468.61	1468.36	1470.68	1472.18	1473.88	1474.81	1474.74	1474.28	1473.29	29
30	1472.14		1469.93	1468.61	1468.34	1470.72	1472.18	1474.02	1474.82	1474.74	1474.24	1473.28	30
31	1472.10		1468.88		1468.33		1472.22	1474.10		1474.71		1473.24	31
MEAN	1472.40	1471.84	1470.63	1468.09	1468.47	1468.80	1471.88	1473.03	1474.72	1474.78	1474.85	1473.72	MEAN
MAX	1472.60	1472.07	1471.03	1468.80	1468.61	1470.72	1472.22	1474.10	1474.87	1474.81	1474.89	1474.20	MAX
MIN	1472.10	1471.08	1468.88	1468.61	1468.31	1468.35	1470.78	1472.35	1474.17	1474.71	1474.24	1473.24	MIN

SUMMARY FOR THE YEAR 1989

WATER LEVELS IN METRES

MEAN, 1473.00
MAXIMUM DAILY, 1474.87 ON SEP 24
MINIMUM DAILY, 1468.31 ON MAY 26

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 19 10 N
LONG 115 28 10 W
DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED

DRAINAGE AREA,
847 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE SHERBURNE - STATION NO 05AE036

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1450.775	1451.381	1451.650	1449.082	1444.027	1447.815	1456.477	1458.738	1455.054	1448.801	1443.374	1450.141	1
2	1450.787	1451.400	1451.598	1448.765	1443.980	1448.172	1456.820	1458.805	1454.938	1448.287	1443.484	1450.184	2
3	1450.824	1451.424	1451.570	1448.370	1443.885	1448.595	1456.784E	1458.698	1454.835	1448.053	1443.642	1450.251	3
4	1450.846	1451.458	1451.582	1447.958	1443.798	1448.858	1456.904E	1458.334	1454.738	1448.781	1443.827	1450.338	4
5	1450.872	1451.491	1451.548	1447.550	1443.787	1449.456	1456.988E	1458.206	1454.837	1448.488	1443.722	1450.478	5
6	1450.891	1451.518	1451.543	1447.196	1443.883	1450.040	1458.088	1458.088	1454.838	1448.188	1443.813	1450.604	6
7	1450.900	1451.534	1451.518	1446.848	1444.304	1450.858	1458.128	1457.823	1454.445	1447.858	1443.914	1450.728	7
8	1450.830	1451.551	1451.491	1446.547	1444.848	1451.052	1458.172	1457.784	1454.332	1447.541	1443.995	1450.821	8
9	1450.858	1451.588	1451.508	1446.261	1445.282	1451.852	1458.233	1457.575	1454.204	1447.238	1444.181	1450.815	9
10	1450.882	1451.801	1451.531	1446.013	1445.882	1452.131	1459.208	1457.392	1454.078	1448.804	1444.588	1450.878	10
11	1450.887	1451.818	1451.433	1445.802	1446.842	1452.882	1458.136	1457.203	1453.848	1448.587	1445.843	1451.043	11
12	1451.018	1451.832	1451.333	1445.078	1447.188	1453.852	1458.028	1457.028	1453.823	1448.282	1446.868	1451.184	12
13	1451.034	1451.834	1451.220	1444.848	1447.883	1454.140	1458.004	1456.882	1453.873	1448.847	1447.880	1451.174	13
14	1451.048	1451.847	1451.122	1444.208	1447.807	1454.848	1458.020	1456.882E	1453.808	1448.842	1447.873	1451.238	14
15	1451.087	1451.853	1451.013	1443.835	1448.172	1455.042	1458.011	1456.887	1453.308	1448.334	1448.114	1451.280	15
16	1451.088	1451.853	1450.888	1443.483	1448.385	1455.488	1458.028	1456.388	1453.088	1448.008	1448.284	1451.338	16
17	1451.110	1451.874	1450.675	1443.423	1448.888	1455.782	1458.047	1456.118	1452.808	1444.858	1448.485	1451.378	17
18	1451.122	1451.882	1450.815	1443.438	1448.730	1456.048	1458.128	1455.817	1452.718	1444.288	1448.603	1451.418	18
19	1451.138	1451.738	1450.848	1443.444	1448.818	1456.288	1458.203	1455.587	1452.837	1443.888	1448.788	1451.488	19
20	1451.147	1451.741	1450.852	1443.842	1448.818	1456.802	1458.284	1455.484	1452.328	1443.818	1448.828	1451.484	20
21	1451.182	1451.747	1450.851	1443.873	1448.784	1456.885	1458.284	1455.285	1452.113	1443.130	1448.108	1451.537	21
22	1451.177	1451.772	1450.708	1442.788	1448.783	1456.880	1458.342	1455.048	1451.878	1442.847E	1448.288	1451.582	22
23	1451.188	1451.778	1450.848	1443.782	1448.717	1457.014	1458.308	1454.833	1451.834	1442.718E	1448.418	1451.634	23
24	1451.228	1451.787	1450.338	1443.878	1448.880	1457.172	1458.132	1454.882	1451.381	1442.848E	1448.537	1451.888	24
25	1451.247	1451.798	1450.132	1443.821	1448.808	1457.388	1458.080	1454.713	1451.131	1442.888	1448.888	1451.701	25
26	1451.278	1451.788	1449.878	1443.575	1448.813	1457.580	1458.072	1454.788	1450.882	1443.844	1448.788	1451.732	26
27	1451.287	1451.783	1449.787	1443.884	1448.418	1457.738	1458.078	1454.850	1450.828	1443.848	1448.884	1451.782	27
28	1451.305	1451.732	1449.827	1443.898	1448.327	1457.822	1458.088	1454.811	1450.388	1443.078	1448.840	1451.787	28
29	1451.320		1449.857	1444.078	1448.218	1458.102	1458.078	1455.018	1450.133	1443.182	1450.013	1451.808	29
30	1451.357		1449.898	1444.118	1448.047	1456.288	1456.988	1455.118	1449.884	1443.237	1450.077	1451.838	30
31	1451.388		1449.388		1447.863		1458.884	1455.148		1443.283		1451.883	31
MEAN	1451.078	1451.838	1450.878	1445.088	1447.014	1454.124	1458.080	1456.427	1452.838	1446.378	1447.141	1451.203	MEAN
MAX	1451.388	1451.788	1451.650	1449.082	1448.818	1458.288	1458.284	1458.738	1455.054	1448.801	1450.077	1451.883	MAX
MIN	1450.775	1451.381	1449.388	1443.423	1443.787	1447.815	1458.477	1454.882	1449.884	1442.840	1443.374	1450.141	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 1451.003
MAXIMUM DAILY, 1458.284 ON JUL 20
MINIMUM DAILY, 1442.840E ON OCT 24
MAXIMUM INSTANTANEOUS,
1458.270 AT 17:00 MST ON JUL 21

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 49 43 N
LONG 113 31 16 W

E - ESTIMATED

REGULATED

DRAINAGE AREA,
187 km²

WATER LEVELS ARE REFERRED TO UNITED STATES RECLAMATION SERVICE DATUM
APPLY 2.880 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

LALBY CREEK NEAR GIROUXVILLE - STATION NO. 07GJ005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.053	0.121	0.006	0	0.001	0.018	---	---	1
2	---	---	0B	0 B	0.047	0.087	0.004	0	0.001	0.018	---	---	2
3	---	---	0B	0 B	0.038	0.061	0.006	0.001	0.001	0.010	---	---	3
4	---	---	0B	0 B	0.051	0.048	0.007	0.004	0.001	0.008	---	---	4
5	---	---	0B	0.0018	0.044	0.045	0.007	0.004	0.001	0.007	---	---	5
6	---	---	0B	0.0058	0.038	0.044	0.007	0.004	0.001	0.008	---	---	6
7	---	---	0B	0.0068	0.030	0.038	0.007	0.003	0.001	0.008	---	---	7
8	---	---	0B	0.0058	0.027	0.040	0.008	0.003	0.001	0.008	---	---	8
9	---	---	0B	0.0038	0.034	0.037	0.008	0.002	0.001	0.008	---	---	9
10	---	---	0B	0.0018	0.048	0.028	0.007	0.003	0.001	0.008	---	---	10
11	---	---	0B	0.0018	0.080	0.032	0.007	0.002	0	0.005	---	---	11
12	---	---	0B	0.0808	0.084	0.018	0.008	0.001	0	0.004	---	---	12
13	---	---	0B	0.3658	0.128	0.010	0.008	0.008	0	0.004	---	---	13
14	---	---	0B	0.4748	0.138	0.008	0.004	0.008	0	0.004	---	---	14
15	---	---	0B	1.48 B	0.154	0.008	0.003	0.008	0	0.002	---	---	15
16	---	---	0B	3.70 B	0.183	0.007	0.007	0.008	0.001	0	---	---	16
17	---	---	0B	1.88 B	0.208	0.008	0.007	0.007	0.002	0	---	---	17
18	---	---	0B	2.18 B	0.188	0.004	0.007	0.013	0.002	0	---	---	18
19	---	---	0B	2.31 B	0.188	0.003	0.004	0.013	0.002	0	---	---	19
20	---	---	0B	1.83	0.244	0.004	0.008	0.013	0.002	0	---	---	20
21	---	---	0B	0.852	0.502	0.003	0.008	0.010	0.002	0	---	---	21
22	---	---	0B	0.488	0.711	0.002	0.004	0.020	0.002	0 B	---	---	22
23	---	---	0B	0.228	0.531	0.002	0.003	0.035	0.001	0 B	---	---	23
24	---	---	0B	0.188	0.288	0.002	0.002	0.044	0.001	0 B	---	---	24
25	---	---	0B	0.188	0.182	0.002	0.002	0.070	0.001	0 B	---	---	25
26	---	---	0B	0.112	0.188	0.002	0.001	0.088	0.004	0 B	---	---	26
27	---	---	0B	0.088	0.188	0.002	0.001	0.017	0.008	0.0018	---	---	27
28	---	---	0B	0.078	0.181	0.003	0	0.018	0.004	0.0018	---	---	28
29	---		0B	0.068	0.147	0.004	0	0.005	0.004	0.0018	---	---	29
30	---		0B	0.068	0.138	0.005	0	0.003	0.018	0.0018	---	---	30
31	---		0B		0.130		0	0.002		0 B		---	31
TOTAL	---	---	0	18.838	8.127	0.881	0.145	0.383	0.058	0.111	---	---	TOTAL
MEAN	---	---	0	0.618	0.188	0.033	0.005	0.012	0.002	0.004	---	---	MEAN
MAX	---	---	0	3.70	0.711	0.121	0.008	0.070	0.018	0.018	---	---	MAX
MIN	---	---	0	0	0.027	0.002	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.080
MAXIMUM DAILY, 3.708 ON APR 16
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.838 AT 04:30 MST ON APR 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 47 28 N
LONG 117 20 10 W,
DRAINAGE AREA, 180 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	13.8
FEB	---	AUG	32.0
MAR	0	SEP	5.10
APR	1 340	OCT	5.59
MAY	443	NOV	---
JUN	57.1	DEC	---

TOTAL DISCHARGE, 1 900 dam³

LATERAL 10 SPILLWAY NEAR CHIN - STATION NO. 05AE007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.001	0.064	0.255	0.262	0.485	0.080	---	---	1
2	---	---	---	---	0.005	0.072	0.261	0.213	0.484	0.094	---	---	2
3	---	---	---	---	0.001	0.082	0.197	0.284	0.478	0.123	---	---	3
4	---	---	---	---	0.001	0.124	0.181	0.304	0.474	0.143	---	---	4
5	---	---	---	---	0	0.195	0.188	0.293	0.474	0.123	---	---	5
6	---	---	---	---	0	0.220	0.215	0.189	0.509	0.122	---	---	6
7	---	---	---	---	0	0.195	0.255	0.105	0.508	0.143	---	---	7
8	---	---	---	---	0	0.158	0.243	0.144	0.283	0.099	---	---	8
9	---	---	---	---	0	0.135	0.195	0.188	0.053	0.200	---	---	9
10	---	---	---	---	0	0.115	0.280	0.272	0.080	0.123	---	---	10
11	---	---	---	---	0.042	0.201	0.258	0.341	0.048	0.021	---	---	11
12	---	---	---	---	0.168	0.233	0.300	0.447	0.072	0.001	---	---	12
13	---	---	---	---	0.088	0.284	0.241	0.445	0.114	0.001	---	---	13
14	---	---	---	---	0.118	0.232	0.281	0.359	0.101	0	---	---	14
15	---	---	---	---	0.138	0.189	0.237	0.354	0.081	0	---	---	15
16	---	---	---	---	0.287	0.215	0.214	0.271	0.108	0	---	---	16
17	---	---	---	---	0.282	0.143	0.208	0.287	0.114	0	---	---	17
18	---	---	---	---	0.303	0.134	0.182	0.305	0.118	0	---	---	18
19	---	---	---	---	0.284	0.173	0.138	0.407	0.120	0	---	---	19
20	---	---	---	---	0.103	0.183	0.147	0.486	0.101	0	---	---	20
21	---	---	---	---	0.283	0.215	0.148	0.317	0.100	0	---	---	21
22	---	---	---	---	0.198	0.213	0.071	0.140	0.108	0	---	---	22
23	---	---	---	---	0.121	0.253	0.143	0.087	0.107	0	---	---	23
24	---	---	---	---	0.311	0.293	0.228	0.102	0.103	0	---	---	24
25	---	---	---	---	0.263	0.382	0.070	0.311	0.104	0	---	---	25
26	---	---	---	---	0.240	0.204	0.182	0.282	0.082	0	---	---	26
27	---	---	---	0.003A	0.186	0.143	0.182	0.386	0.088	0	---	---	27
28	---	---	---	0.003	0.241	0.127	0.183	0.346	0.088	0	---	---	28
29	---		---	0.001A	0.248	0.274	0.210	0.310	0.112	0	---	---	29
30	---		---	0.001	0.135	0.328	0.240	0.302	0.038	0 B	---	---	30
31	---		---		0.087		0.288	0.439		0 B		---	31
TOTAL	---	---	---	---	4.203	5.752	5.380	8.804	5.711	1.277	---	---	TOTAL
MEAN	---	---	---	---	0.136	0.192	0.205	0.278	0.190	0.041	---	---	MEAN
MAX	---	---	---	---	0.311	0.382	0.300	0.486	0.509	0.200	---	---	MAX
MIN	---	---	---	---	0	0.082	0.070	0.087	0.038	0	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.173
MAXIMUM DAILY, 0.509 ON SEP 6
MINIMUM DAILY, 0 ON MAY 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 50 36 N
LONG 112 36 46 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	849
FEB	---	AUG	743
MAR	---	SEP	483
APR	---	OCT	110
MAY	383	NOV	---
JUN	497	DEC	---

TOTAL DISCHARGE, 3 780 dam³

LEE CREEK AT CARDSTON - STATION NO. 05AE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0455	0.0805	0.1705	5.6068	2.30	5.50	1.97	0.795	1.13	1.11	0.5018	0.5868	1
2	0.0525	0.0825	0.1855	6.5568	4.18	5.22	1.83	0.825	1.01	1.08	0.6508	0.5958	2
3	0.0558	0.0858	0.1805	6.6318	4.65	5.18	1.60	0.784	0.980	0.985	0.7338	0.6138	3
4	0.0428	0.0708	0.1608	6.7188	3.75	5.07	1.66	0.725	0.874	0.815	1.01 B	0.6838	4
5	0.0408	0.0808	0.2228	6.606	3.22	4.26	1.62	0.772	0.981	0.847	0.8378	0.6068	5
6	0.0408	0.0588	0.2308	1.80	3.43	4.05	1.57	0.877	1.13	0.884	0.8388	0.2488	6
7	0.0418	0.0458	0.4008	2.07	4.22	3.84	1.48	0.781	1.01	0.883	0.8548	0.1508	7
8	0.0458	0.0488	0.5008	1.66	4.83	3.84	1.35	0.740	1.10	0.800	0.7188	0.2008	8
9	0.0558	0.0858	0.6008	1.03	3.87	3.18	1.30	0.847	1.32	0.837	0.600	0.2508	9
10	0.0858	0.0838	0.7408	0.941	3.73	8.10	1.44	0.704	1.31	0.818	1.03	0.2008	10
11	0.0808	0.0738	0.7358	0.801	3.86	28.4	1.44	0.672	1.28	0.881	1.72	0.1008	11
12	0.0858	0.0768	0.7008	0.988	3.01	16.4	1.22	0.806	1.18	0.829	1.78	0.3138	12
13	0.1058	0.1148	0.8908	1.18	3.48	9.88	1.88	0.801	1.07	0.801	1.40	0.6008	13
14	0.1258	0.1358	0.8878	1.32	3.14	7.50	8.26	0.843	0.908	0.837	2.08	0.5208	14
15	0.1308	0.1908	0.9408	1.82	1.82	6.87	2.64	0.801	0.898	0.881	12.3	0.6008	15
16	0.1408	0.1858	0.9308	2.66	1.75	5.60	2.16	0.857	0.888	0.840	10.7	0.5808	16
17	0.1508	0.1808	0.8408	1.91	1.79	5.05	1.82	0.874	1.10	0.820	8.43	0.5808	17
18	0.1858	0.1858	0.8588	1.77	1.72	4.44	1.68	0.840	1.79	0.785	5.20	0.5428	18
19	0.1608	0.1508	0.8318	1.67 A	1.81	3.88	1.80	0.821	1.82	0.798	1.21	0.4888	19
20	0.1858	0.1858	0.7118	2.08 A	1.47	3.43	1.44	0.487	1.43	0.741	1.38	0.5108	20
21	0.1808	0.1828	0.7108	3.77 A	1.34	2.87	1.23	0.488	1.20	0.775	1.38	0.8408	21
22	0.1408	0.1808	1.51 B	3.07 A	1.32	2.80	1.11	0.448	1.11	0.743	1.80 B	0.8708	22
23	0.1308	0.2028	0.8888	3.07 A	1.33	2.83	1.01	0.482	1.05	0.741	2.60 B	0.9808	23
24	0.1008	0.2088	0.8048	2.77 A	1.48	2.87	0.959	0.887	0.981	0.887	3.00 B	0.8858	24
25	0.0618	0.2058	0.7778	2.08 A	1.48	4.81	1.08	4.44	0.971	0.872	2.88 B	0.8008	25
26	0.0708	0.2008	1.20 B	2.26 A	1.33	4.28	1.04	4.58	0.817	0.871	3.26 B	0.8908	26
27	0.0638	0.1958	1.78 B	2.12 A	1.77	3.92	0.974	2.41	0.898	0.878	1.85 B	0.8508	27
28	0.0818	0.1808	2.80 B	1.83	2.78	3.48	0.859	2.48	0.875	0.881	1.50 B	0.8008	28
29	0.1088		2.83 B	1.87	2.31	3.28	0.804	1.88	0.868	0.884	1.21 B	0.4928	29
30	0.1028		1.91 B	1.83	2.38	3.13	0.782	1.48	0.882	0.833	0.8788	0.4478	30
31	0.0988		1.28 B		3.84		0.778	1.34		0.7218		0.6038	31
TOTAL	3.826	3.886	28.139	81.615	81.88	184.40	47.887	34.019	32.792	25.048	73.148	18.238	TOTAL
MEAN	0.084	0.138	0.843	1.72	2.82	6.48	1.84	1.10	1.09	0.808	2.44	0.481	MEAN
MAX	0.180	0.208	2.80	3.07	4.83	28.4	8.26	4.58	1.79	1.11	12.3	0.888	MAX
MIN	0.040	0.045	0.180	0.831	1.32	2.12	0.778	0.448	0.874	0.833	0.801	0.150	MIN

SUMMARY FOR THE YEAR 1989

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.83
MAXIMUM DAILY, 28.4 ON JUN 11
MINIMUM DAILY, 0.0408 ON JAN 5
MAXIMUM INSTANTANEOUS,
31.6 AT 08:00 MST ON JUN 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 13 00 N
LONG 113 17 48 W

DRAINAGE AREA, 307 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	293	JUL	4 130
FEB	311	AUG	2 840
MAR	3 280	SEP	2 630
APR	4 490	OCT	2 160
MAY	7 060	NOV	5 320
JUN	14 700	DEC	1 320

TOTAL DISCHARGE, 48 200 dam³

LEE CREEK BELOW CONFLUENCE OF EAST FORK - STATION NO. 06AE804

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	2.07	3.76	1.61	---	1.02	0.735	---	---	1
2	---	---	---	---	3.43	3.44	1.48	---	0.886	0.851	---	---	2
3	---	---	---	---	3.00	3.61	1.38	---	0.867	0.859	---	---	3
4	---	---	---	---	2.84	3.27	1.28	---	0.834	0.871	---	---	4
5	---	---	---	---	2.80	3.28	1.21	---	0.844	0.888	---	---	5
6	---	---	---	---	2.97	3.38	1.16	---	0.841	0.888	---	---	6
7	---	---	---	---	3.56	3.37	1.09	---	0.839	0.839	---	---	7
8	---	---	---	---	3.67	3.24	1.02	---	1.02	0.809	---	---	8
9	---	---	---	---	3.04	3.20	0.992	---	1.00	0.881	---	---	9
10	---	---	---	---	3.17	3.27	1.08	---	0.988	0.893	---	---	10
11	---	---	---	---	3.03	3.64	1.05	---	0.948	0.889	---	---	11
12	---	---	---	---	2.38	3.30	0.948	---	0.882	0.834	---	---	12
13	---	---	---	---	2.01	3.31	2.82	---	0.800	0.884	---	---	13
14	---	---	---	---	1.81	5.52	2.83	---	0.780	0.888	---	---	14
15	---	---	---	---	1.69	4.91	1.92	---	0.881	0.882	---	---	15
16	---	---	---	---	1.83	4.33	1.61	---	0.876	0.810	---	---	16
17	---	---	---	---	1.66	3.69	1.32	---	0.871	0.888	---	---	17
18	---	---	---	0.784A	1.52	3.50	1.19	---	1.16	0.872	---	---	18
19	---	---	---	1.30	1.41	3.35	1.15	---	1.08	0.852	---	---	19
20	---	---	---	1.87	1.38	3.15	1.07	---	0.900	0.844	---	---	20
21	---	---	---	2.28	1.28	2.83	1.01	---	0.880	0.838	---	---	21
22	---	---	---	2.27	1.28	2.83	0.928	---	0.814	0.824	---	---	22
23	---	---	---	1.83	1.28	2.72	0.868	---	0.788	0.808	---	---	23
24	---	---	---	1.48	1.22	2.58	0.868	---	0.728	0.488	---	---	24
25	---	---	---	1.37	1.22	3.70	0.928	---	0.730	0.492	---	---	25
26	---	---	---	1.17	1.23	2.78	0.884	---	0.878	0.488	---	---	26
27	---	---	---	1.13	1.31	2.31	0.788	---	0.847	0.482	---	---	27
28	---	---	---	1.03	1.48	2.03	0.744	---	0.828	0.478	---	---	28
29	---		---	1.18	1.44	1.88	0.724	---	0.823	0.450	---	---	29
30	---		---	1.84	1.81	1.74	0.718	---	0.838	0.450	---	---	30
31	---		---		2.83		0.882	1.16		0.380		---	31
TOTAL	---	---	---	---	88.15	111.00	37.214	---	25.084	17.858	---	---	TOTAL
MEAN	---	---	---	---	2.10	3.70	1.20	---	0.836	0.576	---	---	MEAN
MAX	---	---	---	---	3.67	5.84	2.83	---	1.16	0.735	---	---	MAX
MIN	---	---	---	---	1.22	1.74	0.882	---	0.823	0.380	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 5.84 ON JUN 11
MINIMUM DAILY, 0.380 ON OCT 31
MAXIMUM INSTANTANEOUS,
11.8 AT 04:02 MST ON JUN 11

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 01 30 N
LONG 113 03 30 W
DRAINAGE AREA, 94.5 km²
A - MANUAL GAUGE

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 220
FEB	---	AUG	---
MAR	---	SEP	3 170
APR	---	OCT	1 840
MAY	5 830	NOV	---
JUN	9 880	DEC	---

LESSER SLAVE LAKE AT FAUST - STATION NO. 07BJ002

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	676.304	676.518	676.528	676.688	676.670	676.688	676.671	---	1
2	---	---	---	---	676.312	676.527	676.583	676.688	676.681	676.684	676.684	---	2
3	---	---	---	---	676.322	676.530	676.580	676.723	676.643	676.684	676.682A	---	3
4	---	---	---	---	676.333	676.537	676.578	676.788	676.635	676.676	---	---	4
5	---	---	---	---	676.343	676.547	676.588	676.821	676.635	676.678	---	---	5
6	---	---	---	---	676.345	676.541	676.585	676.847	676.624	676.677	---	---	6
7	---	---	---	---	676.345	676.551	676.585	676.885	676.625	676.671	---	---	7
8	---	---	---	---	676.344	676.571	676.585	676.870	676.620	676.680	---	---	8
9	---	---	---	---	676.357	676.573	676.603	676.861	676.613	676.684	---	---	9
10	---	---	---	---	676.366	676.570	676.630	676.874	676.608	676.643	---	---	10
11	---	---	---	---	676.368	676.572E	676.635	676.880	676.600	676.627	---	---	11
12	---	---	---	---	676.381	676.576E	676.644	676.880	676.788	676.636	---	---	12
13	---	---	---	676.183A	676.368	676.572E	676.660	676.889	676.785	676.645	---	---	13
14	---	---	---	---	676.388	676.567A	676.653	676.884A	676.781	676.640	---	---	14
15	---	---	---	---	676.387	676.562	676.655	676.904A	676.772	676.610	---	---	15
16	---	---	---	---	676.388	676.556	676.648	676.898	676.788	676.628	---	---	16
17	---	---	---	---	676.383	676.559	676.636	676.881	676.780	676.640	---	---	17
18	---	---	---	---	676.382	676.548	676.648	676.887	676.780	676.628	---	---	18
19	---	---	---	---	676.388	676.548	676.650	676.888	676.738	676.608	---	---	19
20	---	---	---	---	676.381	676.544	676.664	676.885	676.748	676.612	---	---	20
21	---	---	---	676.173A	676.335	676.544	676.657	676.888	676.738	676.608	---	---	21
22	---	---	---	676.172	676.384	676.564	676.631	676.867	676.747	676.597	---	---	22
23	---	676.168A	---	676.178	676.374	676.561	676.695	676.872	676.731	676.608	---	---	23
24	---	---	---	676.181	676.385	676.561	676.641	676.860	676.734	676.588	---	---	24
25	---	---	---	676.186	676.430	676.556	676.662	676.878	676.736	676.581	---	---	25
26	---	---	---	676.181	676.431	676.568	676.688	676.878	676.710	676.608	---	---	26
27	---	---	---	676.182	676.455	676.555	676.671	676.871	676.700	676.670	---	---	27
28	---	---	---	676.184	676.474	676.540	676.660	676.868	676.703	676.588	---	---	28
29	---		---	676.200	676.488	676.580	676.668	676.871	676.715	676.588	---	---	29
30	---		---	676.204	676.508	676.553	676.668	676.873	676.718	676.574	---	---	30
31	---		676.187A		676.505		676.670	676.868		676.562		---	31
MEAN	---	---	---	---	676.318	676.564	676.631	676.868	676.776	676.627	---	---	MEAN
MAX	---	---	---	---	676.508	676.576	676.671	676.904	676.670	676.608	---	---	MAX
MIN	---	---	---	---	676.204	676.518	676.528	676.668	676.700	676.562	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 676.904A ON AUG 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 19 18 N
LONG 116 37 36 W

A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW
DRAINAGE AREA,
13 800 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LESSER SLAVE LAKE AT SLAVE LAKE - STATION NO. 07BJ005

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	676.283	676.228	676.202	676.181	676.238	676.517	676.575	676.545	676.533	676.702	676.522	676.507	1
2	676.282	676.221	676.194	676.180	676.230	676.528	676.583	676.724	676.540	676.678	676.576	676.488	2
3	676.269	676.221	676.187	676.180	676.234	676.542	676.588	676.773	676.671	676.644	676.587	676.489	3
4	676.275	676.222	676.187	676.182	676.240	676.561	676.589	676.789	676.688	676.739	676.585	676.500	4
5	676.270	676.233	676.176	676.157	676.228	676.532	676.577	676.780	676.684	676.702	676.588	676.499	5
6	676.267	676.231	676.177	676.185	676.248	676.577	676.587	676.798	676.681	676.672	676.580	676.498	6
7	676.267	676.221	676.187	676.187	676.218	676.587	676.587	676.825	676.697	676.670	676.588	676.481	7
8	676.263	676.213	676.180	676.188	676.263	676.588	676.592	676.850	676.658	676.748	676.590	676.500	8
9	676.263	676.218	676.184	676.180	676.268	676.588	676.614	676.851	676.618	676.688	676.478	676.517	9
10	676.260	676.218	676.182	676.181	676.280	676.573	676.609	676.891	676.778	676.707	676.634	676.507	10
11	676.263	676.211	676.188	676.182	676.284	676.588	676.619	676.888	676.783	676.688	676.263	676.504	11
12	676.246	676.216	676.188	676.188	676.282	676.648	676.601	676.881	676.778	676.667	676.234	676.504	12
13	676.254	676.216	676.187	676.183	676.274	676.600	676.608	676.858	676.783	676.644	676.244	676.491A	13
14	676.262	676.208	676.188	676.181	676.278	676.636	676.601	676.868	676.787	676.632	676.488	676.488E	14
15	676.247	676.208	676.188	676.188	676.268	676.673	676.599	676.848	676.778	676.667	676.431	676.498E	15
16	676.240	676.208	676.181	676.183	676.258	676.680	676.634	676.881	676.780	676.800	676.488	676.480E	16
17	676.245	676.208	676.171	676.181	676.277	676.683	676.683	676.880	676.770	676.828	676.484	676.488E	17
18	676.247	676.203	676.178	676.181	676.283	676.683	676.645	676.875	676.781	676.868	676.488	676.487A	18
19	676.241	676.201	676.171	676.180	676.284	676.688	676.642	676.844	676.771	676.808	676.536	676.492	19
20	676.234	676.202	676.188	676.183	676.430	676.687	676.648	676.883	676.730	676.682	676.512	676.483	20
21	676.248	676.180	676.181	676.178	676.428	676.672	676.668	676.884	676.780	676.684	676.532	676.487	21
22	676.244	676.187	676.187	676.188	676.388	676.688	676.703	676.871	676.850	676.807	676.487	676.488	22
23	676.238	676.203	676.187	676.188	676.383	676.670	676.688	676.890	676.740	676.678	676.418	676.487	23
24	676.233	676.208	676.184	676.188	676.415	676.651	676.684	676.874	676.730	676.817	676.528	676.481	24
25	676.237	676.188	676.188	676.188	676.428	676.627	676.683	676.878	676.883	676.814	676.511	676.487	25
26	676.242	676.188	676.188	676.200	676.468	676.672	676.662	676.881	676.712	676.833	676.508	676.481	26
27	676.250	676.207	676.183	676.208	676.470	676.622	676.623	676.880	676.738	676.817	676.487	676.480	27
28	676.238	676.207	676.184	676.212	676.475	676.643	676.649	676.878	676.705	676.821	676.488	676.474	28
29	676.233		676.170	676.208	676.488	676.612	676.681	676.881	676.881	676.880	676.502	676.481	29
30	676.212		676.184	676.214	676.490	676.622	676.682	676.883	676.724	676.889	676.516	676.477	30
31	676.196		676.187		676.508		676.683	676.842		676.864		676.483	31
MEAN	676.247	676.210	676.177	676.172	676.333	676.648	676.626	676.844	676.777	676.835	676.486	676.487	MEAN
MAX	676.283	676.233	676.202	676.214	676.508	676.687	676.703	676.891	676.887	676.748	676.634	676.517	MAX
MIN	676.196	676.187	676.181	676.150	676.218	676.472	676.583	676.648	676.660	676.628	676.234	676.487	MIN

SUMMARY FOR THE YEAR 1989

WATER LEVELS IN METRES

MEAN, 676.484
MAXIMUM DAILY, 676.887 ON SEP 7
MINIMUM DAILY, 676.150 ON APR 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 19 15 N
LONG 114 48 16 W

A - MANUAL GAUGE
E - ESTIMATED

NATURAL FLOW

DRAINAGE AREA, 13 800 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LESSER SLAVE RIVER AT SLAVE LAKE - STATION NO. 07BK001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	25.1A	24.1A	23.7	23.4E	25.7	47.8	50.8	54.3	54.8	58.0	48.4	44.4	1
2	26.2	24.2A	23.8	23.4E	25.8	48.0	51.5	55.1	55.8	59.8	48.8	43.0	2
3	27.6	23.4A	23.0	23.4E	27.0	48.5	49.4	52.2	56.3	57.0	48.1	44.4	3
4	27.8	23.2	23.2	23.5E	27.5	48.5	51.4	54.5	56.0	59.8	48.0	44.5	4
5	27.5	23.8	22.1	23.4E	28.5	48.3	49.9	53.9	55.3	58.0	48.9	43.5	5
6	27.4	24.0	22.7	23.2E	26.0	53.3	50.4	53.2	55.7	58.3	51.4	43.8	6
7	26.2	24.3	23.5	23.3E	25.5	50.7	50.7	53.5	55.5	58.3	52.9	43.3	7
8	24.4A	24.2	22.9	23.1E	25.2	49.8	51.0	56.0	55.5	60.4	52.8	43.9	8
9	24.1A	24.0E	23.6	23.0E	25.8	49.8	53.1	54.9	54.1	58.1	52.8	45.0	9
10	24.8A	24.7B	23.7	23.0E	30.3	51.0	53.9	58.1	53.0	56.8	53.7	43.8	10
11	25.5	24.8B	23.6	23.0A	28.6	50.8	53.2	56.2	51.0	57.9	37.7	44.3B	11
12	25.3	25.0B	23.6	23.0	29.0	49.1	51.0	55.9	52.9	59.0	33.4	44.0B	12
13	25.4	24.7B	23.5	23.0	28.6	48.5	51.6	54.7	52.5	54.4	30.3	43.5B	13
14	25.3	24.4	23.7	21.6	30.0	48.5	51.6	54.7	52.4	53.3	43.2	43.4B	14
15	25.6	24.1A	24.0	23.6	30.1	51.3	50.9	54.7	52.4	57.4	37.5	43.3B	15
16	25.5	24.0A	23.3	23.3	30.3	51.1	54.2	56.5	52.7	51.2	40.2	43.1B	16
17	25.5	23.8A	23.5	23.3	30.5	50.1	53.2	55.9	51.5	48.1	38.4	43.4B	17
18	25.5	24.2A	23.9B	23.6	28.5	50.5	53.5	55.7	50.5	48.5	43.3	43.3B	18
19	25.1	24.0B	23.7B	22.7	25.5	49.5	54.3	54.5	51.5	53.3	49.4	43.4A	19
20	26.1	23.9B	23.4B	22.9	41.4	52.5	54.4	55.2	49.2	49.7	44.5	41.3A	20
21	27.0	23.8B	23.3B	23.6	39.5	50.5	55.5	55.3	50.5	51.4	45.3	38.8A	21
22	26.5	23.2B	23.4B	24.1	38.0	49.5	55.5	54.0	52.1	41.4	38.7	38.7	22
23	25.4A	24.3	23.6B	24.3	38.7	49.1	55.1	55.1	53.9	49.7	37.5	38.6	23
24	25.1	24.5	23.3B	24.5	39.0	49.1	55.5	55.5	50.0	52.5	48.5	40.7	24
25	25.1	24.1	23.3B	24.9	39.5	49.2	55.3	55.5	57.3	53.5	44.5	41.0	25
26	25.4	24.1	23.6B	24.9	43.2	43.2	53.5	55.1	53.0	49.4	44.3	43.4	26
27	27.5	24.5	23.4B	25.3	43.7	44.5	51.5	55.9	50.5	51.9	44.3	43.2	27
28	28.3	24.5	23.6B	25.5	43.5	47.7	53.5	55.5	53.4	53.7	43.5	42.4	28
29	28.1		23.9A	25.5	44.3	48.0	54.5	55.4	55.5	56.3	42.5	43.3	29
30	24.3A		23.7B	25.5	44.5	48.5	53.7	55.5	55.5	50.5	44.4	43.3	30
31	21.5A		23.8B		48.7		54.2	55.2		47.9		40.5	31
TOTAL	806.5	673.3	712.5	684.5	1 048.5	1 483.5	1 649.5	2 001.0	1 635.3	1 691.7	1 303.7	1 329.2	TOTAL
MEAN	26.0	24.0	23.0	23.3	33.5	48.5	53.1	54.5	51.5	53.5	42.5	42.5	MEAN
MAX	28.3	25.0	24.0	25.5	48.7	52.5	55.5	58.1	55.5	60.4	52.9	45.0	MAX
MIN	21.5	23.2	22.1	21.5	25.5	48.3	49.4	54.3	54.0	48.1	33.4	38.7	MIN

SUMMARY FOR THE YEAR 1989

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 41.5
MAXIMUM DAILY, 60.5 ON SEP 7
MINIMUM DAILY, 21.5 ON APR 14
MAXIMUM INSTANTANEOUS,
70.1 AT 17:30 MST ON JUL 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 19 19 N
LONG 114 48 06 W
DRAINAGE AREA, 13 800 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	69 700	JUL	142 000
FEB	58 200	AUG	173 000
MAR	61 500	SEP	140 000
APR	60 000	OCT	144 000
MAY	90 600	NOV	113 000
JUN	128 000	DEC	115 000

TOTAL DISCHARGE, 1 310 000 dam³

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL ABOVE OLDMAN FLUME - STATION NO. 05AB019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0 B	27.4	11.3	38.0	18.5	3.83	3.71	---	---	1
2	---	---	---	0 B	27.8	11.0	38.6	18.5	3.86	3.70	---	---	2
3	---	---	---	0 B	28.3	11.4	38.1	17.7	3.43	3.88	---	---	3
4	---	---	---	0 B	28.3	11.7	34.8A	17.0	3.32	3.88	---	---	4
5	---	---	---	0 B	28.4	11.6	34.7A	16.3	3.43	3.88	---	---	5
6	---	---	---	0 B	25.8	11.5	39.2A	15.7	3.80	4.71	---	---	6
7	---	---	---	0 B	23.6	11.5	37.3A	15.1	3.04	5.82	---	---	7
8	---	---	---	0 B	22.7	12.8	34.8	14.6	3.02	5.82	---	---	8
9	---	---	---	0 B	20.4	13.1	32.8	13.0	3.01	5.81	---	---	9
10	---	---	---	0 B	20.8	12.8	33.0	11.8	3.00	5.47	---	---	10
11	---	---	---	0 B	21.3	10.1	34.0A	11.3	2.88	5.37	---	---	11
12	---	---	---	0 B	21.1	7.78	38.6A	11.2	3.05	5.27	---	---	12
13	---	---	---	0 B	20.8	8.05	34.6	11.2	3.02	3.42	---	---	13
14	---	---	---	0.1248	22.3	8.02	38.3A	11.2	2.88	0.001	---	---	14
15	---	---	---	0 E	22.4	7.13	39.3E	11.3	2.81	0	---	---	15
16	---	---	---	0 E	20.8	7.81	38.4E	10.2	2.77	0	---	---	16
17	---	---	---	3.88 E	18.8	7.87	38.8E	8.78	2.76	0	---	---	17
18	---	---	---	5.88 A	16.4	7.88	38.8A	8.78	2.71	0	---	---	18
19	---	---	---	1.83	12.7	8.84	38.8	8.74	2.87	0	---	---	19
20	---	---	---	10.7	12.7	10.8	33.6	8.77	2.88	0	---	---	20
21	---	---	---	17.4	12.7	13.1	28.2	8.78	2.70	0	---	---	21
22	---	---	---	18.1	13.0	16.6	28.7	8.74	2.61	0	---	---	22
23	---	---	08	18.7	17.5	16.0	26.4	8.74	2.32	0	---	---	23
24	---	---	08	23.2	24.2	16.1	26.0	8.74	2.20	0	---	---	24
25	---	---	08	26.5	26.4	16.2	26.7	8.78	2.48	0	---	---	25
26	---	---	08	27.6	26.3	16.3	26.5	8.68	2.81	0	---	---	26
27	---	---	08	27.6	26.5	19.8	24.6	8.67	2.85	0	---	---	27
28	---	---	08	27.4	26.6	23.1	23.3	8.74	3.18	0	---	---	28
29	---		08	27.1	26.6	22.6	22.1	7.38	3.48	0	---	---	29
30	---		08	27.1	17.7	22.2	21.0	4.78	3.70	0	---	---	30
31	---		08		13.8		20.1	3.78		0 A		---	31
TOTAL	---	---	---	264.704	585.8	402.88	1 010.3	348.83	89.38	58.241	---	---	TOTAL
MEAN	---	---	---	8.82	21.5	13.4	32.6	11.2	2.88	1.88	---	---	MEAN
MAX	---	---	---	27.6	26.5	22.2	38.6	18.5	3.70	5.82	---	---	MAX
MIN	---	---	---	0	12.7	8.02	20.1	3.78	2.20	0	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 13.3
MAXIMUM DAILY, 39.6A ON JUL 18
MINIMUM DAILY, 08 ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 41 10 N
LONG 113 34 30 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	87 300
FEB	---	AUG	30 000
MAR	---	SEP	7 720
APR	23 800	OCT	5 030
MAY	87 800	NOV	---
JUN	34 600	DEC	---

TOTAL DISCHARGE, 248 000 dam³

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL BELOW KEHO OUTFLOW - STATION NO. 05AC038

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.780	4.21	18.3	10.4	2.45	2.87	---	---	1
2	---	---	---	---	0.780	4.30	20.5	8.88	2.13	3.77	---	---	2
3	---	---	---	---	0.780	4.18	20.1	8.63	2.00	4.44	---	---	3
4	---	---	---	---	0.740	4.14	19.8	8.31	2.00	5.84	---	---	4
5	---	---	---	---	0.740	4.11	19.8	8.78	2.00	5.82	---	---	5
6	---	---	---	---	0.740	4.11	21.0	8.33	1.81	5.88	---	---	6
7	---	---	---	---	0.740	4.14	22.3	8.21	1.70	5.88	---	---	7
8	---	---	---	---	0.740	4.14	23.1	8.68	1.70	5.81	---	---	8
9	---	---	---	---	0.880	4.08	24.4	7.78	1.70	5.74	---	---	9
10	---	---	---	---	2.33	3.83	24.8	8.28	1.70	5.32	---	---	10
11	---	---	---	---	1.38	3.28	24.8	8.21	1.71	5.42	---	---	11
12	---	---	---	---	1.41	3.00	25.3	8.12	1.88	6.07	---	---	12
13	---	---	---	---	1.44	2.80	24.8	8.77	1.84	3.02	---	---	13
14	---	---	---	---	1.44	2.81	24.7	8.32	1.84	1.08	---	---	14
15	---	---	---	---	1.44	3.08	22.7	7.70	1.83	1.03	---	---	15
16	---	---	---	---	3.39	3.88	19.8	8.88	1.82	1.01	---	---	16
17	---	---	---	---	3.86	3.70	19.2	7.48	1.83	0	---	---	17
18	---	---	---	---	3.77	3.88	18.7	7.72	1.88	0	---	---	18
19	---	---	---	---	3.83	5.40	18.8	8.70	1.88	0	---	---	19
20	---	---	---	---	3.17	6.81	19.0	8.88	1.88	0	---	---	20
21	---	---	---	---	3.17	8.83	18.4	8.80	1.87	0	---	---	21
22	---	---	---	---	3.17	11.1	18.8	8.84	1.88	0	---	---	22
23	---	---	---	---	5.44	11.0	17.4	8.88	1.88	0	---	---	23
24	---	---	---	---	7.42	10.1	17.4	8.88	1.88	0	---	---	24
25	---	---	---	---	8.33	8.84	17.8	8.00	1.88	0	---	---	25
26	---	---	---	---	8.80	11.1	17.0	8.22	1.81	0	---	---	26
27	---	---	---	---	8.84	12.8	16.0	4.88	1.80	0	---	---	27
28	---	---	---	---	8.88	13.3	15.8	4.13	2.81	0	---	---	28
29	---	---	---	---	8.84	14.1	11.8	3.28	3.01	0	---	---	29
30	---	---	---	---	4.18	16.7	11.0	2.78	3.88	0	---	---	30
31	---		---		4.13		11.1	2.63		0		---	31
TOTAL	---	---	---	---	86.880	198.88	804.3	211.84	86.38	70.88	---	---	TOTAL
MEAN	---	---	---	---	3.87	6.67	18.5	8.83	1.88	2.38	---	---	MEAN
MAX	---	---	---	---	7.42	16.7	26.2	10.4	3.01	6.42	---	---	MAX
MIN	---	---	---	---	0.740	2.81	11.0	2.63	1.82	0	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.66
MAXIMUM DAILY, 26.2 ON JUL 12
MINIMUM DAILY, 0 ON OCT 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 57 00 N
LONG 112 58 15 W

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	82 300
FEB	---	AUG	18 300
MAR	---	SEP	4 870
APR	---	OCT	5 120
MAY	7 880	NOV	---
JUN	17 000	DEC	---

TOTAL DISCHARGE, 108 000 dam³

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

LILY CREEK NEAR SLAVE LAKE - STATION NO. 07BE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0028	0.0048	0.338	0.102	0.181	0.085	0.189	0.114	0.085	---	1
2	---	---	0.0028	0.0048	0.288	0.087	0.714	0.359	0.167	0.108	0.082A	---	2
3	---	---	0.0029	0.0048	0.307	0.136	0.388	1.00	0.152	0.111	---	---	3
4	---	---	0.0028	0.0048	0.304	0.144	0.247	1.04	0.142	0.104	---	---	4
5	---	---	0.0028	0.0038	0.283	0.197	0.188	0.493	0.133	0.101	---	---	5
6	---	---	0.0028	0.0028	0.337	0.883	0.182	0.241	0.138	0.088	---	---	6
7	---	---	0.0028	0.0078	0.348	1.04	0.131	0.170	0.130	0.085	---	---	7
8	---	---	0.0028	0.0118	0.380	0.823	0.136	0.184	0.130	0.088	---	---	8
9	---	---	0.0028	0.0148	0.304	0.884	0.182	0.181	0.124	0.083	---	---	9
10	---	---	0.0028	0.0188	0.234	0.808	0.130	0.181	0.128	0.080	---	---	10
11	---	---	0.0028	0.0408	0.303	0.862	0.117	0.188	0.138	0.093	---	---	11
12	---	---	0.0028	0.0708	0.180	0.818	0.110	0.183	0.118	0.087	---	---	12
13	---	---	0.0028	0.0818	0.118	0.831	0.088	0.188	0.118	0.088	---	---	13
14	---	---	0.0028	0.1028	0.102	0.818	0.087	0.188	0.111	0.083	---	---	14
15	---	---	0.0028	0.0988	0.110	0.670	0.088	0.188	0.104	0.081	---	---	15
16	---	---	0.0028	0.0848	0.117	0.381	0.100	0.180	0.110	0.088	---	---	16
17	---	---	0.0028	0.0818	0.118	0.343	0.108	0.182	0.116	0.078	---	---	17
18	---	---	0.0028	0.0988	0.140	0.287	0.072	0.208	0.110	0.088	---	---	18
19	---	---	0.0028	0.1488	0.488	0.318	0.088	0.188	0.088	0.074	---	---	19
20	---	---	0.0028	0.2278	0.141	0.404	0.080	0.187	0.088	0.072	---	---	20
21	---	---	0.0028	0.330	0.184	0.387	0.140	0.178	0.084	0.074	---	---	21
22	---	0.0028	0.0028	0.318	0.378	0.337	0.081	0.182	0.081	0.088	---	---	22
23	---	0.0028	0.0028	0.322	0.824	0.307	0.088	0.188	0.078	0.075	---	---	23
24	---	0.0028	0.0028	0.318	1.03	0.258	0.081	0.188	0.070	0.078	---	---	24
25	---	0.0028	0.0028	0.332	1.33	0.223	0.103	0.188	0.088	0.070	---	---	25
26	---	0.0028	0.0028	0.218	0.888	0.185	0.088	0.188	0.088	0.087	---	---	26
27	---	0.0028	0.0028	0.224	0.417	0.184	0.080	0.184	0.083A	0.078	---	---	27
28	---	0.0028	0.0028	0.245	0.128	0.171	0.089	0.183	0.081A	0.088	---	---	28
29	---	---	0.0038	0.322	0.081	0.147	0.081	0.182A	0.081A	0.081	---	---	29
30	---	---	0.0048	0.380	0.078	0.183	0.083	0.200A	0.088	0.071	---	---	30
31	---	---	0.0048		0.132		0.083	0.188A		0.048		---	31
TOTAL	---	---	0.087	3.784	11.018	11.198	4.284	7.488	3.230	2.572	---	---	TOTAL
MEAN	---	---	0.002	0.126	0.386	0.373	0.137	0.240	0.108	0.083	---	---	MEAN
MAX	---	---	0.004	0.380	1.03	1.04	0.714	1.08	0.189	0.114	---	---	MAX
MIN	---	---	0.002	0.002	0.078	0.087	0.088	0.085	0.081	0.048	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.178
MAXIMUM DAILY, 1.03 ON MAY 24
MINIMUM DAILY, 0.0028 ON MAR 1
MAXIMUM INSTANTANEOUS,
3.14 AT 21:00 MST ON MAY 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 24 55 N
LONG 114 48 47 W
DRAINAGE AREA, 23.8 km²

A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	388
FEB	---	AUG	844
MAR	5.78	SEP	280
APR	338	OCT	332
MAY	883	NOV	---
JUN	887	DEC	---

TOTAL DISCHARGE, 3 770 dam³

LITTLE BERLAND RIVER AT HIGHWAY NO. 40 - STATION NO. 07AC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1388	0.1388	1.828	2.78	2.91	1.41	2.85	1.48	---	---	1
2	---	---	0.1388	0.1388	1.478	3.06	2.82	5.84	2.48	1.37	---	---	2
3	---	---	0.1388	0.1388	1.838	3.42	2.82	7.08	2.35	1.33	---	---	3
4	---	---	0.1378	0.1388	1.728	4.08	2.48	5.88	2.22	1.28	---	---	4
5	---	---	0.1388	0.1388	2.008	4.73	2.73	5.30	2.28	1.28	---	---	5
6	---	---	0.1388	0.1388	2.08	4.34	2.37	5.78	2.30	1.20	---	---	6
7	---	---	0.1388	0.1388	2.17	3.87	2.21	6.32	2.37	1.14	---	---	7
8	---	---	0.1348	0.1388	2.11	3.10	2.71	4.88	2.78	1.07	---	---	8
9	---	---	0.1338	0.1388	1.97	3.32	2.81	4.13	2.48	0.988	---	---	9
10	---	---	0.1338	0.1388	1.91	4.04	4.83	3.78	2.78	0.972	---	---	10
11	---	---	0.1328	0.1388	1.88	3.83	7.48	3.18	3.83	0.918	---	---	11
12	---	---	0.1318	0.1388	1.86	3.38	8.48	2.88	3.82	0.872	---	---	12
13	---	---	0.1318	0.1388	1.43	3.11	6.72	2.83	3.38	0.814	---	---	13
14	---	---	0.1308	0.1388	1.30	2.88	5.02	2.52	3.27	0.7828	---	---	14
15	---	---	0.1288	0.1388	1.27	2.70	4.32	2.93	3.18	0.7288	---	---	15
16	---	---	0.1388	0.1388	1.31	3.48	3.78	4.07	3.18	0.8888	---	---	16
17	---	---	0.1288	0.1388	1.48	3.30	3.32	13.4	3.20	0.888	---	---	17
18	---	---	0.1278	0.1388	1.81	3.18	3.83	11.3	3.13	0.883	---	---	18
19	---	---	0.1388	0.1388	1.97	3.06	3.88	8.84	3.06	0.817	---	---	19
20	---	---	0.1388	0.1808	1.84	1.88	3.44	6.88	1.88	0.888	---	---	20
21	---	---	0.1388	0.1888	1.84	1.84	3.28	8.08	1.88	0.881	---	---	21
22	---	---	0.1388	0.1888	1.84	1.86	3.12	8.37	1.81	0.833	---	---	22
23	---	---	0.1288	0.2428	1.72	1.83	1.88	4.81	1.74	0.808	---	---	23
24	---	---	0.1288	0.3168	1.88	1.78	1.81	4.13	1.70	0.488	---	---	24
25	---	---	0.1288	0.3908	2.11	1.70	1.78	3.81	1.88	0.480	---	---	25
26	---	---	0.1288	0.4648	2.02	1.81	1.71	3.48	1.81	0.425	---	---	26
27	---	---	0.1288	0.5388	2.04	2.33	1.88	3.22	1.88	0.412	---	---	27
28	---	---	0.1288	0.6128	2.08	2.80	1.87	3.08	1.84	0.3888	---	---	28
29	---	---	0.1288	0.6868	2.10	2.47	1.88	3.14	1.80	0.3738	---	---	29
30	---	---	0.1288	1.01 B	2.08	2.47	1.88	3.14	1.80	0.3818	---	---	30
31	---	---	0.1288		2.37		1.48	2.84		0.3328		---	31
TOTAL	---	---	4.038	7.148	58.82	83.71	81.84	180.30	84.84	24.178	---	---	TOTAL
MEAN	---	---	0.130	0.238	1.83	2.78	2.88	4.88	2.13	0.780	---	---	MEAN
MAX	---	---	0.138	1.01	2.37	4.73	7.48	13.4	3.88	1.48	---	---	MAX
MIN	---	---	0.128	0.128	1.37	1.78	1.48	1.41	1.80	0.323	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.87
MAXIMUM DAILY, 13.4 ON AUG 17
MINIMUM DAILY, 0.1288 ON MAR 21
MAXIMUM INSTANTANEOUS,
14.0 AT 05:28 MST ON AUG 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 40 43 N
LONG 118 14 18 W
DRAINAGE AREA, 84.0 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	7 830
FEB	---	AUG	13 000
MAR	348	SEP	6 530
APR	818	OCT	3 080
MAY	4 810	NOV	---
JUN	7 230	DEC	---

TOTAL DISCHARGE, 41 700 dam³

LITTLE BOW CANAL AT HIGH RIVER - STATION NO. 05BL015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.3188	0.3628	0.4308	0.8008	0.883	2.12	2.41	1.41	0.854	0.925	0.6288	0.5288	1
2	0.3188	0.3788	0.4308	0.8008	0.884	2.25	2.37	1.88	0.842	0.905	0.5788	0.5108	2
3	0.3388	0.3848	0.4108	0.8588	0.893	2.18	2.38	2.18	0.837	0.882	0.5848	0.4928	3
4	0.3568	0.3848	0.4268	0.8308	0.918	2.04	2.37	2.10	0.831	0.884	0.6068	0.5388	4
5	0.3588	0.3848	0.4408	0.8088	1.03	2.10	2.36	2.08	0.812	0.848	0.6068	0.5898	5
6	0.3588	0.3848	0.4608	0.7318	1.07	2.18	2.38	2.18	0.818	0.885	0.5828	0.6328	6
7	0.3588	0.3848	0.4608	0.7288	1.14	2.18	2.34	2.18	0.803	0.877	0.5848	0.6728	7
8	0.3588	0.4108	0.4708	0.7088	1.17	2.13	2.31	2.18	0.823	0.868	0.5508	0.6578	8
9	0.3588	0.4388	0.4708	0.7128	1.18	2.08	2.30	2.28	0.803	0.859	0.6008	0.6708	9
10	0.3588	0.4388	0.4708	0.8788	1.18	2.07	2.38	2.27	0.808	0.841	0.6238	0.6218	10
11	0.3588	0.4388	0.4708	0.9888	1.33	2.01	2.48	1.88	0.811	0.852	0.6118	0.6288	11
12	0.4308	0.4388	0.4868	0.7088	1.20	2.05	2.40	1.44	0.808	0.888	0.5488	0.6678	12
13	0.7028	0.4388	0.4188	0.714	1.18	2.08	2.38	1.21	0.888	0.861	0.4938	0.6068	13
14	0.7028	0.4388	0.4148	0.731	1.14	2.00	2.42	1.28	0.888	0.878	0.5728	0.6228	14
15	0.7028	0.4328	0.4108	0.753	1.11	2.08	2.39	1.22	0.885	0.889	0.5718	0.6018	15
16	0.7028	0.4088	0.4088	0.700	1.10	2.08	2.41	1.07	0.808	0.841	0.5808	0.5928	16
17	0.7028	0.4108	0.4028	0.680	1.58	2.03	2.41	1.21	0.813	0.800	0.5098	0.5978	17
18	0.7028	0.4308	0.4008	0.648	1.88	2.02	2.37	1.37	0.817	0.828	0.5188	0.6528	18
19	0.8408	0.4508	0.4108	0.878	1.82	1.87	2.40	1.48	0.818	0.883	0.5038	0.5728	19
20	0.4978	0.4728	0.4408	0.888	1.77	1.84	2.88	1.48	0.888	0.872	0.5778	0.5438	20
21	0.4978	0.4828	0.4708	0.713	1.74	1.87	2.72	1.48	0.887	0.893	0.5788	0.5288	21
22	0.4978	0.4888	0.5508	0.692	1.72	2.03	2.87	1.48	0.813	0.881	0.5898	0.5408	22
23	0.4978	0.4808	0.5508	0.862	1.72	2.08	2.48	1.48	0.873	0.818	0.5838	0.547	23
24	0.4978	0.4808	0.7008	0.881	1.83	2.13	2.02	1.24	0.886	0.838	0.5408	0.578	24
25	0.4978	0.4708	0.8708	0.881	1.88	2.18	1.88	1.02	0.853	0.828	0.5278	0.588	25
26	0.4978	0.4858	0.8108	0.882	1.88	2.15	2.24	0.900	0.842	0.801	0.5148	0.584	26
27	0.4978	0.4908	0.8908	0.884	1.85	2.22	1.44	0.832	0.850	0.883	0.5208	0.538	27
28	0.4978	0.4858	0.8858	0.848	1.87	2.28	1.48	0.838	0.852	0.882	0.5278	0.550	28
29	0.4978		0.8908	0.847	1.83	2.24	1.44	0.828	0.847	0.8138	0.5348	0.524	29
30	0.4978		0.8908	0.844	1.84	2.22	1.44	0.882	0.839	0.8188	0.5408	0.508	30
31	0.3108		0.8408		1.88		1.42	0.889		0.8138		0.510	31
TOTAL	14.778	12.084	17.738	21.473	44.528	63.18	88.73	48.620	28.888	22.940	17.118	17.818	TOTAL
MEAN	0.477	0.431	0.572	0.718	1.44	2.11	2.22	1.50	0.888	0.740	0.571	0.575	MEAN
MAX	0.702	0.488	0.880	0.900	1.88	2.33	2.72	2.28	0.873	0.928	0.628	0.673	MAX
MIN	0.310	0.382	0.400	0.848	0.883	1.84	1.42	0.889	0.803	0.829	0.493	0.482	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.02
MAXIMUM DAILY, 2.72 ON JUL 21
MINIMUM DAILY, 0.3108 ON JAN 31

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 34 58 N
LONG 113 53 16 W

B - ICE CONDITIONS

REGULATED SINCE 1910

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN 1 380		JUL 5 940	
FEB 1 040		AUG 4 030	
MAR 1 830		SEP 2 320	
APR 1 880		OCT 1 880	
MAY 3 850		NOV 1 480	
JUN 5 480		DEC 1 840	

TOTAL DISCHARGE, 32 300 dam³

LITTLE BOW RIVER AT CARMANGAY - STATION NO. 05AC003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.3618	0.3858	0.4408	4.22	1.08	2.71	1.31	0.867	1.78	1.84	0.4328	0.4848	1
2	0.4118	0.3858	0.4208	3.34	1.02	2.78	1.44	0.882	1.72	1.84	0.5808	0.5218	2
3	0.4088	0.3248	0.4008	3.00	1.01	2.78	1.48	0.851	1.71	1.82	0.7388	0.5848	3
4	0.3888	0.3008	0.3808	2.38	1.02	2.88	1.82	0.804	1.82	1.83	0.7808	0.6488	4
5	0.3918	0.2858	0.4008	2.83	0.883	3.01	1.82	0.871	1.77	1.81	0.7808	0.7128	5
6	0.3888	0.3008	0.5008	3.02	0.848	2.88	1.38	0.808	1.83	1.83	0.7408	0.6718	6
7	0.3388	0.3208	0.5008	2.90	0.877	2.08	1.33	1.28	1.82	1.82	0.6808	0.5388	7
8	0.3508	0.3358	0.7758	2.68	1.31	1.78	1.04	1.07	1.83	1.83	0.5888	0.6808	8
9	0.3708	0.3558	0.7038	2.62	1.14	2.33	1.08	1.20	1.88	1.84	0.6888	0.5208	9
10	0.3908	0.3858	0.8548	2.38	1.20	3.10	1.28	1.10	1.81	1.48	0.6888	0.4808	10
11	0.4408	0.3808	0.7118	2.258	1.20	3.88	1.85	1.20	1.81	1.88	0.6808	0.3848	11
12	0.6008	0.3808	0.7288	2.888	1.18	3.83	1.87	1.32	1.80	1.88	0.6008	0.4208	12
13	0.4808	0.3868	0.7488	2.508	1.27	2.83	1.74	1.42	1.88	1.48	0.5208	0.4888	13
14	0.4708	0.3488	0.8448	2.63	1.40	2.78	1.82	1.88	1.82	1.83	0.4408	0.8448	14
15	0.4778	0.3318	0.8308	2.27	1.41	2.81	1.81	1.71	1.84	1.38	0.4948	0.5308	15
16	0.4818	0.3388	0.8008	1.78	1.38 E	2.18	1.47	1.40	1.84	1.42	0.4888	0.5218	16
17	0.4718	0.3488	0.7208	1.84	1.38 E	1.88	1.31	1.08	1.88	1.48	0.5238	0.5118	17
18	0.4788	0.3808	0.7808	1.84	1.38 E	1.81	1.28	1.07	1.83	1.47	0.4808	0.4808	18
19	0.4188	0.3808	0.7408	1.41	1.88 E	1.83	1.38	1.02	1.83	1.44	0.4008	0.4208	19
20	0.3888	0.3908	0.7808	1.33	2.13 E	1.80	1.84	1.08	1.88	1.31	0.3708	0.3608	20
21	0.3748	0.4008	0.7808	1.28	2.12 E	1.48	1.88	1.28	1.70	1.00	0.3388	0.3008	21
22	0.3778	0.4208	0.8208	1.33	2.18 E	1.84	1.17	1.32	1.88	0.778	0.3808	0.3808	22
23	0.3848	0.4108	0.8308	1.18	2.21 E	1.88	0.988	1.83	1.88	0.718	0.4008	0.4108	23
24	0.3948	0.4388	0.808	1.17	2.28 E	1.78	0.732	1.87	1.73	0.727	0.4208	0.4148	24
25	0.4188	0.4888	0.802	1.18	2.52 E	2.13	0.881	1.88	1.70	0.728	0.4528	0.8728	25
26	0.4118	0.4868	0.820	1.18	2.78 E	2.58	0.838	1.87	1.70	0.708	0.4218	0.8128	26
27	0.4078	0.4858	1.08	1.18	2.87 E	2.48	0.828	1.88	1.78	0.703	0.5048	0.8818	27
28	0.4038	0.4808	1.88	1.28	3.14 E	2.01	0.838	2.10	1.78	0.718	0.5808	0.5888	28
29	0.4238		3.14	1.30	3.18 A	1.83	0.803	1.87	1.88	0.8858	0.5018	0.5908	29
30	0.4308		3.77	1.17	3.13	1.42	0.888	1.84	1.84	0.8888	0.4388	0.5888	30
31	0.4288		4.48		3.08		0.803	1.88		0.8188		0.5808	31
TOTAL	12.848	10.884	32.388	61.11	84.848	70.30	38.841	41.843	50.83	38.878	15.882	16.232	TOTAL
MEAN	0.414	0.378	1.04	2.04	1.78	2.34	1.24	1.34	1.88	1.28	0.533	0.533	MEAN
MAX	0.800	0.488	4.48	4.22	3.18	3.88	1.82	2.10	1.83	1.84	0.780	0.712	MAX
MIN	0.338	0.288	0.380	1.18	0.848	1.42	0.838	0.887	1.88	0.818	0.338	0.300	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.32
MAXIMUM DAILY, 4.48 ON MAR 31
MINIMUM DAILY, 0.2888 ON FEB 6
MAXIMUM INSTANTANEOUS,
8.72 AT 21:47 MST ON MAR 30

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 07 51 N
LONG 113 07 02 W
DRAINAGE AREA, 3 780 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1910

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN 1 110		JUL 3 330	
FEB 918		AUG 3 900	
MAR 2 780		SEP 4 380	
APR 5 280		OCT 3 340	
MAY 4 730		NOV 1 380	
JUN 9 070		DEC 1 400	

TOTAL DISCHARGE, 38 300 dam³

LITTLE BOW RIVER BELOW TRAVERS DAM - STATION NO. 05AC012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.8488	0.784	0.878	0.888	0.788	0.742	0.880	---	---	1
2	---	---	---	0.8578	0.817	0.884	0.880	0.747	0.748	0.878	---	---	2
3	---	---	---	0.8528	0.788	0.884	0.883	0.778	0.748	0.883	---	---	3
4	0.8778	---	---	0.8498	0.788	0.888	0.888	0.808	0.783	0.841	---	---	4
5	---	---	---	0.8538	0.788	0.717	0.887	0.824	0.780	0.828	---	---	5
6	---	---	---	0.888	0.784	0.882	0.882	0.882	0.748	0.822	---	---	6
7	---	---	---	0.858	0.787	0.884	0.838	0.887	0.784	0.810	---	---	7
8	---	---	---	0.848	0.784	0.724	0.801	0.883	0.743	0.807	---	---	8
9	---	---	---	0.838	0.774	0.888	0.788	0.804	0.783	0.802	---	---	9
10	---	---	---	0.840	0.778	0.848	0.824	0.781	0.788	0.804	---	---	10
11	---	---	---	0.882	0.788	0.833	0.834	0.810	0.788	0.801	---	0.883A	11
12	---	---	---	0.887	0.784	0.838	0.838	0.812	0.782	0.898	---	---	12
13	---	---	---	0.858	0.778	0.835	0.821	0.778	0.804	0.801	---	---	13
14	---	---	0.838A	0.858	0.785	0.838	0.787	0.788	0.810	0.803	---	---	14
15	---	0.8488	---	0.880	0.777	0.811	0.787	0.781	0.808	0.803	---	---	15
16	---	---	---	0.850	0.742	0.845	0.808	0.778	0.803	0.810	---	---	16
17	---	---	---	0.882	0.887	0.827	0.738	0.723	0.781	0.812	---	---	17
18	---	---	---	0.878	0.882	0.818	0.888	0.704	0.887	0.818	---	---	18
19	---	---	---	0.878	0.887	0.813	0.884	0.783	0.803	0.818	---	---	19
20	---	---	---	0.888	0.888	0.835	0.888	0.780	0.887	0.811	---	---	20
21	---	---	---	0.728	0.700	0.818	0.718	0.720	0.820	0.808	0.880A	---	21
22	---	---	---	0.786	0.718	0.801	0.732	0.887	0.803	0.812	---	---	22
23	---	---	0.8628	0.787	0.733	0.834	0.780	0.748	0.838	0.814	---	---	23
24	0.8088	---	0.8508	0.778	0.784	0.838	0.737	0.780	0.817	0.813	---	---	24
25	---	---	0.8008	0.783	0.781	0.838	0.887	0.741	0.838	0.808	---	---	25
26	---	---	0.8508	0.815	0.738	0.827	0.883	0.784	0.844	0.898	---	---	26
27	---	---	0.8808	0.818	0.708	0.883	0.718	0.788	0.888	0.800	---	---	27
28	---	---	0.8708	0.810	0.782	0.858	0.734	0.774	0.738	0.805	---	---	28
29	---		0.8708	0.801	0.781	0.874	0.741	0.788	0.728	0.813	---	---	29
30	---		0.8638	0.784	0.888	0.888	0.788	0.780	0.717	0.828A	---	---	30
31	---		0.8548		0.714		0.784	0.738		0.8288		---	31
TOTAL	---	---	---	21.012	23.337	24.088	24.181	24.072	21.841	19.128	---	---	TOTAL
MEAN	---	---	---	0.700	0.783	0.802	0.780	0.777	0.718	0.817	---	---	MEAN
MAX	---	---	---	0.818	0.817	0.901	0.888	0.887	0.810	0.880	---	---	MAX
MIN	---	---	---	0.838	0.887	0.875	0.884	0.887	0.887	0.888	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.735
MAXIMUM DAILY, 0.901 ON JUN 22
MINIMUM DAILY, 0.887 ON SEP 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 08 04 N
LONG 113 40 14 W
DRAINAGE AREA, 5 370 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL 3 080	
FEB	---	AUG 2 080	
MAR	---	SEP 1 880	
APR 1 820		OCT 1 880	
MAY 2 020		NOV ---	
JUN 3 080		DEC ---	

TOTAL DISCHARGE, 13 800 dam³

LITTLE BOW RIVER NEAR THE MOUTH - STATION NO. 05AC033

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.773	1.10	1.08	1.38	1.41	1.88	---	---	1
2	---	---	---	---	0.783	1.08	1.07	1.38	1.48	1.78	---	---	2
3	---	---	---	---	0.778	1.08	0.880	1.33	1.88	2.08	---	---	3
4	---	---	---	---	0.748	1.18	0.884	1.28	1.88	2.08	---	---	4
5	---	---	---	---	0.731	1.28	0.700	1.13	1.83	2.10	---	---	5
6	---	---	---	---	0.714	1.08	0.838	1.17	1.88	1.80	---	---	6
7	---	---	---	---	0.727	1.10	0.483	1.43	1.83	1.83	---	---	7
8	---	---	---	---	0.723	0.887	0.478	1.30	1.71	1.82	---	---	8
9	---	---	---	---	0.714	1.07	0.440	1.28	1.83	1.72	---	---	9
10	---	---	---	---	0.880	2.70	0.438	1.18	1.88	1.82	---	---	10
11	---	---	---	---	0.748	2.31	0.444	1.11	1.89	1.83	---	---	11
12	---	---	---	---	1.33	2.06	0.387	0.988	1.88	1.73	---	---	12
13	---	---	---	---	1.08	1.88	0.732	1.34	1.71	1.88	---	---	13
14	---	---	---	---	1.17	1.37	0.840	1.17	1.88	1.37	---	---	14
15	---	---	---	---	1.23	1.18	0.830	1.28	1.88	1.33	---	---	15
16	---	---	---	---	1.17	1.28	0.872	1.37	1.82	1.18	---	---	16
17	---	---	---	---	1.31	1.23	0.831	1.13	1.83	1.10	---	---	17
18	---	---	---	---	0.838	1.28	0.848	1.08	1.78	1.02	---	---	18
19	---	---	---	---	1.08	1.81	0.818	0.887	1.78	0.880	---	---	19
20	---	---	---	---	0.833	1.43	0.747	0.883	1.84	0.878	---	---	20
21	---	---	---	---	0.773	0.873	0.708	1.43	1.84	0.828	---	---	21
22	---	---	---	---	0.841	0.808	0.781	1.43	1.84	0.788	---	---	22
23	---	---	---	---	1.08	1.38	0.803	1.31	1.83	0.788	---	---	23
24	---	---	---	---	1.02	2.01	1.08	1.10	1.33	0.738	---	---	24
25	---	---	---	---	1.83	1.47	1.01	1.13	1.28	0.744	---	---	25
26	---	---	---	0.882A	1.82	1.18	1.10	1.25	1.21	0.718	---	---	26
27	---	---	---	0.858	0.847	1.31	1.08	1.38	1.14	0.703	---	---	27
28	---	---	---	0.898	1.38	1.33	1.11	1.74	1.30	0.700	---	---	28
29	---		---	0.814	1.30	0.807	1.03	1.78	1.28.	0.710	---	---	29
30	---		---	0.788	1.34	0.748	1.18	1.78	1.83	0.774	---	---	30
31	---		---		1.38		1.34	1.48		0.773A		---	31
TOTAL	---	---	---	---	31.084	40.887	24.879	39.898	48.44	40.301	---	---	TOTAL
MEAN	---	---	---	---	1.00	1.34	0.808	1.38	1.88	1.30	---	---	MEAN
MAX	---	---	---	---	1.82	2.70	1.34	1.78	1.78	2.10	---	---	MAX
MIN	---	---	---	---	0.838	0.748	0.387	0.883	1.14	0.700	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.31
MAXIMUM DAILY, 2.70 ON JUN 10
MINIMUM DAILY, 0.387 ON JUL 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 54 00 N
LONG 113 30 30 W
DRAINAGE AREA, 5 520 km²
A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL 3 180	
FEB	---	AUG 3 420	
MAR	---	SEP 4 010	
APR	---	OCT 3 480	
MAY 3 880		NOV ---	
JUN 3 480		DEC ---	

TOTAL DISCHARGE, 18 200 dam³

LITTLE ELBOW RIVER ABOVE NIHANI CREEK - STATION NO. 05BJ009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.27E	3.82	3.84	2.13	2.63	1.89	1.38	---	1
2	---	---	---	---	1.53E	4.10	3.57	2.10	2.76	1.82	1.38A	---	2
3	---	---	---	---	1.38E	4.14	3.32	2.06	2.76	1.77	---	---	3
4	---	---	---	---	1.34E	4.26	3.22	1.96	2.88	1.76	---	---	4
5	---	---	---	---	1.58A	5.79	3.07	1.89	2.86	1.74	---	---	5
6	---	---	---	---	3.25	7.27	3.01	1.85	2.85	1.88	---	---	6
7	---	---	---	---	4.18	7.00	2.96	1.81	2.82	1.88	---	---	7
8	---	---	---	---	4.07	6.52	2.88	1.93	2.88	1.88	---	---	8
9	---	---	---	---	4.43	6.25	2.85	1.95	2.80	1.85	---	---	9
10	---	---	---	---	4.62	7.18	3.04	1.83	2.72	1.86	---	---	10
11	---	---	---	---	4.68	7.40	3.18	1.83	2.85	1.84	---	---	11
12	---	---	---	---	3.87	6.83	3.04	1.78	2.85	1.84	---	---	12
13	---	---	---	---	3.02	7.18	3.13	1.77	2.44	1.83	---	---	13
14	---	---	---	---	3.81	7.80	3.07	1.74	2.44	1.83	---	---	14
15	---	---	---	---	3.41	7.09	3.14	1.89	2.43	1.87	---	---	15
16	---	---	---	---	2.50	6.46	3.23	1.78	2.38	1.80	---	---	16
17	---	---	---	---	2.58	6.43	3.03	1.86	2.37	1.67	---	---	17
18	---	---	---	---	2.46	4.57	2.81	1.87	2.30	1.68	---	---	18
19	---	---	---	---	2.22	4.15	2.70	1.88	2.26	1.83	---	---	19
20	---	---	---	---	1.86	3.86	2.78	1.84	2.17	1.82	---	---	20
21	---	---	---	---	1.86	3.38	2.72	1.78	2.16	1.80	---	---	21
22	---	---	---	---	1.83	3.16	2.83	1.73	2.11	1.68	---	---	22
23	---	---	---	---	1.82	3.16	2.80	1.88	2.08	1.80	---	---	23
24	---	---	---	---	1.72	3.20	2.37	1.71	2.07	1.68	---	---	24
25	---	---	---	---	1.86	3.42	2.29	2.08	2.03	1.68	---	---	25
26	---	---	---	---	1.81	3.88	2.21	2.31	1.87	1.68	---	---	26
27	---	---	---	---	1.83	4.48	2.20	2.82	1.84	1.68	---	---	27
28	---	---	---	---	1.86	3.86	2.82	3.16	1.84	1.66	---	---	28
29	---	---	---	---	1.82	3.76	2.66	3.13	1.81	1.60	---	---	29
30	---	---	---	---	1.83	4.02	2.31	3.02	1.81	1.60	---	---	30
31	---		---		2.51		2.20	2.82		1.61			31
TOTAL	---	---	---	---	75.16	164.78	88.62	84.11	72.18	48.86	---	---	TOTAL
MEAN	---	---	---	---	2.42	5.16	2.86	2.07	2.41	1.58	---	---	MEAN
MAX	---	---	---	---	4.62	8.26	3.84	3.16	2.82	1.89	---	---	MAX
MIN	---	---	---	---	1.27	3.16	2.20	1.89	1.81	1.60	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.74
MAXIMUM DAILY, 8.26 ON JUN 8
MINIMUM DAILY, 1.27E ON MAY 1
MAXIMUM INSTANTANEOUS,
8.86 AT 05:20 MST ON JUN 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 47 43 N
LONG 114 58 00 W
DRAINAGE AREA, 129 km²
A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	7 850
FEB	---	AUG	5 540
MAR	---	SEP	6 240
APR	---	OCT	4 230
MAY	5 480	NOV	---
JUN	13 400	DEC	---

TOTAL DISCHARGE, 43 800 dam³

LITTLE PADDLE RIVER NEAR MAYERTHORPE - STATION NO. 07EB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0058	0.600E	0.481	0.244	1.52	0.885	1.04	0.251	0.240	---	1
2	---	---	0.0058	3.00 E	0.476	0.203	1.56	24.6	2.74	0.262	0.236A	---	2
3	---	---	0.0058	3.50 E	0.490	0.180	2.84	89.6 A	3.47	0.260	---	---	3
4	---	---	0.0058	3.30 E	0.501	0.179	1.72	33.9	1.72	0.250	---	---	4
5	---	---	0.0058	3.00 E	0.603	0.181	1.11	17.8	1.26	0.250	---	---	5
6	---	---	0.0058	2.81 E	0.484	0.147	0.838	8.77	1.40	0.262	---	---	6
7	---	---	0.0058	1.46 E	0.431	0.141	0.748	5.48	1.17	0.248	---	---	7
8	---	---	0.0078	1.95 E	0.447	0.126	5.53	3.77	0.952	0.243	---	---	8
9	---	---	0.0058	2.25 E	0.408	0.127	12.4	2.84	0.775	0.238	---	---	9
10	---	---	0.0058	2.65 E	0.361	0.267	7.26	2.38	0.868	0.235	---	---	10
11	---	---	0.0048	3.40 E	0.350	0.581	4.30	1.84	0.817	0.231	---	---	11
12	---	---	0.0048	3.78 E	0.335	0.388	2.82	1.48	0.528	0.288	---	---	12
13	---	---	0.0048	3.90 E	0.301	0.261	2.08	1.20	0.492	0.240	---	---	13
14	---	---	0.0048	3.95 E	0.282	0.215	1.69	1.04	0.484	0.232	---	---	14
15	---	---	0.0048	3.17 E	0.248	0.208	1.26	0.920	0.431	0.232	---	---	15
16	---	---	0.0048	2.84 E	0.224	0.301	1.80	0.848	0.421	0.222	---	---	16
17	---	---	0.0048	2.09 E	0.228	0.182	2.86	2.46	0.448	0.227	---	---	17
18	---	---	0.0048	1.44 E	0.244	0.128	3.21	4.16	0.472	0.221	---	---	18
19	---	---	0.0048	1.37 E	0.866	0.116	2.02	3.46	0.470	0.224	---	---	19
20	---	---	0.0048	1.41	8.42	0.115	1.46	2.37	0.421	0.238	---	---	20
21	---	---	0.0048	1.72	5.81	0.083	1.37	1.86	0.381	0.262	---	---	21
22	---	---	0.0048	1.80	3.80	0.084	1.66	1.87	0.368	0.248	---	---	22
23	---	0.0058	0.0048	1.50	1.86	0.141	1.31	1.62	0.338	0.233	---	---	23
24	---	0.0058	0.0048	1.12	1.08	0.178	0.982	1.86	0.330	0.231	---	---	24
25	---	0.0058	0.0048	0.950	0.727	0.220	1.44	1.38	0.321	0.233	---	---	25
26	---	0.0058	0.0048	0.771	0.578	0.265	1.15	1.28	0.318	0.247	---	---	26
27	---	0.0058	0.0048	0.731	0.472	1.12	0.949	1.18	0.282	0.248	---	---	27
28	---	0.0058	0.0058	0.834	0.404	4.82	2.07	0.956	0.290	0.285	---	---	28
29	---		0.0068	0.818	0.336	2.88	2.88	0.888	0.280	0.288	---	---	29
30	---		0.0078	0.826	0.307	1.77	1.81	1.01	0.306	0.248	---	---	30
31	---		0.0108		0.288		1.09	0.947		0.243			31
TOTAL	---	---	0.183	81.807	36.730	15.878	75.495	235.462	23.201	7.472	---	---	TOTAL
MEAN	---	---	0.005	2.06	1.18	0.523	2.44	7.80	0.773	0.241	---	---	MEAN
MAX	---	---	0.010	3.90	8.61	4.82	12.4	89.6	3.47	0.288	---	---	MAX
MIN	---	---	0.004	0.826	0.224	0.083	0.748	0.885	0.280	0.221	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.68
MAXIMUM DAILY, 89.6A ON AUG 3
MINIMUM DAILY, 0.004E ON MAR 11
MAXIMUM INSTANTANEOUS,
180A AT 05:00 MST ON AUG 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 57 51 N
LONG 115 10 38 W
DRAINAGE AREA, 388 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	6 520
FEB	---	AUG	20 300
MAR	13.2	SEP	3 000
APR	5 320	OCT	648
MAY	3 090	NOV	---
JUN	1 350	DEC	---

TOTAL DISCHARGE, 39 200 dam³

LITTLE RED DEER RIVER NEAR THE MOUTH - STATION NO. 05CB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1969

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.1828	0.0808	0.0388	0.1308	13.8 A	3.88	3.88	4.15	5.22	1.86	1.87 B	0.0308	1
2	0.1738	0.0708	0.0388	0.1908	11.3 A	3.84	3.35	3.74	5.10	1.87	1.45 B	0.0508	2
3	0.1838	0.0708	0.0388	0.1408	12.4 A	3.37	2.88	3.38	5.48	2.11	1.87 B	0.0808	3
4	0.1908	0.0708	0.0428	0.8208	11.0 A	3.18	2.80	3.41	5.48	2.08	1.74 B	0.0408	4
5	0.1818	0.0738	0.0508	5.15 B	8.08A	3.04	2.34	4.08	7.84	2.10	1.78 B	0.0208	5
6	0.1248	0.0788	0.0828	3.20 B	7.61A	2.84	2.14	3.48	6.17	2.10	1.88 B	0.0088	6
7	0.1138	0.0828	0.0728	2.80 B	7.31A	2.78	1.87	3.88	5.08	2.03	1.38 B	0.9858	7
8	0.1438	0.0878	0.0628	8.38 B	8.88A	2.82	1.88	3.81	5.88	1.88	1.17 B	0.9738	8
9	0.1818	0.0808	0.0808	10.7 B	8.83A	3.81	1.78	3.15	5.84	2.02	1.13 B	0.9638	9
10	0.2208	0.0808	0.0888	12.8 B	8.73A	2.84	1.88	2.88	5.32	2.08	1.18 B	0.9488	10
11	0.2408	0.0888	0.0888	22.8 B	8.48A	2.83	2.37	2.28	5.83	2.04	1.08 B	0.9408	11
12	0.2218	0.0788	0.0888	28.4 A	8.83A	3.88	3.84	2.04	5.87	2.37	1.04 B	0.9378	12
13	0.1888	0.0888	0.0708	31.2 A	8.58A	3.88	8.83	2.01	6.08	2.08	1.08 B	0.9368	13
14	0.1888	0.0808	0.0878	14.3 A	8.11E	3.38	8.34	1.88	4.48	2.27	1.04 B	0.9838	14
15	0.2218	0.0388	0.0838	11.7 A	4.88A	3.01	4.08	1.88	4.00	2.08	0.9888	0.9838	15
16	0.2348	0.0328	0.0888	11.8 A	4.28A	3.08	3.38	1.78	3.88	1.87	1.03 B	0.8788	16
17	0.2808	0.0308	0.0888	11.3 A	4.81A	3.03	2.88	2.18	3.48	1.81	1.08 B	0.8388	17
18	0.2488	0.0338	0.0888	9.77 A	3.78A	3.81	2.42	4.17	3.32	1.81	1.08 B	0.8008	18
19	0.2148	0.0348	0.0888	8.88 A	4.81A	4.38	2.13	4.87	3.38	1.84	1.22 B	0.4988	19
20	0.2338	0.0348	0.0888	8.78 A	4.21	3.78	1.88	5.80	3.82	1.88	1.24 B	0.4788	20
21	0.2008	0.0438	0.0808	11.3 A	3.72	3.42	1.88	7.47	3.38	1.88	1.28 B	0.4708	21
22	0.1888	0.0888	0.0828	11.8 A	3.38	3.03	1.82	6.88	3.03	1.80	1.08 B	0.5388	22
23	0.1938	0.0548	0.0868	12.8 A	3.08	2.70	1.87	6.48	2.87	1.73	0.9008	0.5348	23
24	0.1438	0.0808	0.0728	10.7 A	2.84	2.43	1.31	4.38	2.88	1.87	0.8408	0.5228	24
25	0.1848	0.0808	0.0788	10.7 A	2.78	3.18	1.18	3.83	2.84	1.88	0.7708	0.5108	25
26	0.1748	0.0488	0.0838	10.8 A	2.88	3.27	1.07	3.88	2.38	1.77	0.7008	0.5008	26
27	0.1788	0.0408	0.0878	11.1 A	2.81	8.41	1.04	3.73	2.28	1.71	0.7408	0.4908	27
28	0.2188	0.0388	0.0828	11.8 A	3.04	8.38	0.981	3.48	2.20	1.88	0.7108	0.4778	28
29	0.2438		0.1008	11.1 A	3.78	5.78	0.902	3.80	2.15	1.88	0.6888	0.4838	29
30	0.2288		0.1108	12.8 A	4.78	4.88	3.20	8.12	2.08	1.84	0.6008	0.4188	30
31	0.1808		0.1208		4.42		8.41	8.18		1.83		0.8838	31
TOTAL	5.081	1.887	2.171	304.320	173.85	113.43	78.783	122.88	127.28	60.01	33.842	17.888	TOTAL
MEAN	0.188	0.068	0.070	10.1	8.80	3.78	2.84	3.86	4.24	1.84	1.13	0.887	MEAN
MAX	0.280	0.080	0.120	28.4	13.8	8.41	8.83	8.87	7.84	2.27	1.78	0.882	MAX
MIN	0.113	0.030	0.035	0.130	2.88	2.82	0.902	1.88	2.08	1.82	0.800	0.470	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.85
MAXIMUM DAILY, 28.4A ON APR 12
MINIMUM DAILY, 0.0308 ON FEB 17

SUMMARY FOR THE YEAR 1969

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 01 40 N
LONG 114 08 30 W
DRAINAGE AREA, 3 580 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	524	JUL	8 810
FEB	163	AUG	10 800
MAR	188	SEP	11 000
APR	35 300	OCT	6 180
MAY	19 000	NOV	3 830
JUN	8 710	DEC	1 830

TOTAL DISCHARGE, 89 900 dam³

LITTLE RED DEER RIVER NEAR WATER VALLEY - STATION NO. 05CB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1969

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1188	0.1788	8.218	1.83	1.31	1.88	3.18	1.28	0.7188	---	1
2	---	---	0.1188	0.1678	8.88	1.71	1.18	2.18	2.88	1.24	0.7838	---	2
3	---	---	0.1188	0.2838	7.18	1.61	1.08	2.81	4.84	1.18	---	---	3
4	---	---	0.1238	0.3648	8.78	1.55	0.884	2.14	4.08	1.10	---	---	4
5	---	---	0.1478	0.8088	4.88	1.41	0.883	1.83	3.84	1.07	---	---	5
6	---	---	0.1788	0.4478	4.48	1.27	0.840	2.78	3.78	1.13	---	---	6
7	---	---	0.1808	0.3278	3.88	1.20	0.833	2.13	3.43	1.10	---	---	7
8	---	---	0.1858	0.3048	3.78	1.18	0.718	1.83	3.70	1.08	---	---	8
9	---	---	0.1878	0.2858	3.38	1.80	0.888	1.34	3.48	1.00	---	---	9
10	---	---	0.1888	0.2628	3.00	2.84	1.17	1.34	3.83	1.03	---	---	10
11	---	---	0.1808	0.8248	2.87	2.83	2.74	1.32	3.37	1.18	---	---	11
12	---	---	0.1318	1.88 B	2.84	2.13	3.18	1.03	2.88	1.18	---	---	12
13	---	---	0.1238	3.04 B	2.80	1.72	2.24	0.884	2.82	1.14	---	---	13
14	---	---	0.1238	4.08 B	2.17	1.44	1.88	0.847	2.41	1.08	---	---	14
15	---	---	0.1208	3.88 B	1.88	1.24	1.28	0.834	2.18	1.00 B	---	---	15
16	---	---	0.1188	2.88 B	1.80	1.88	1.13	1.78	2.08	0.888	---	---	16
17	---	---	0.1148	2.82 B	1.88	2.78	1.04	4.84	2.18	0.8848	---	---	17
18	---	---	0.1348	3.08 B	1.88	2.38	1.08	4.87	2.44	0.878	---	---	18
19	---	---	0.1388	4.27 B	1.38	1.77	0.918	4.87	2.24	0.877	---	---	19
20	---	---	0.1808	5.20 B	1.32	1.88	0.770	4.87	1.88	0.884	---	---	20
21	---	---	0.1848	8.82 B	1.18	1.43	0.883	3.74	1.78	0.843	---	---	21
22	---	0.1288	0.1888	8.08 B	1.03	1.38	0.888	2.88	1.88	0.821	---	---	22
23	---	0.1288	0.2048	4.70 B	1.02	1.40	0.873	2.87	1.81	0.788	---	---	23
24	---	0.1288	0.1888	5.18 B	1.22	1.88	0.833	2.88	1.84	0.803	---	---	24
25	---	0.1308	0.1888	5.80 B	1.80	1.88	0.818	2.74	1.48	0.778	---	---	25
26	---	0.1308	0.1888	5.73 B	1.80	2.02	0.4811	2.81	1.38	0.783	---	---	26
27	---	0.1208	0.2018	5.14 B	1.78	2.84	0.440	2.42	1.38	0.780	---	---	27
28	---	0.1188	0.2008	5.88 B	2.43	2.21	2.80	3.88	1.27	0.732	---	---	28
29	---		0.1888	5.80 B	2.87	1.72	5.00	3.88	1.22	0.7088	---	---	29
30	---		0.1878	7.10 B	2.17	1.48	3.33	3.57	1.27	0.6888	---	---	30
31	---		0.1788		1.87		2.48	3.38		0.6888		---	31
TOTAL	---	---	4.943	93.884	83.48	53.48	43.148	81.888	78.31	39.880	---	---	TOTAL
MEAN	---	---	0.159	3.10	2.83	1.78	1.39	2.83	2.81	0.884	---	---	MEAN
MAX	---	---	0.204	7.10	8.88	2.78	5.00	4.87	4.84	1.28	---	---	MAX
MIN	---	---	0.118	0.178	1.02	1.18	0.440	0.834	1.22	0.688	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.84
MAXIMUM DAILY, 8.88 ON MAY 3
MINIMUM DAILY, 0.1188 ON MAR 3
MAXIMUM INSTANTANEOUS,
10.7 AT 08:17 MST ON MAY 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 30 41 N
LONG 114 40 19 W
DRAINAGE AREA, 449 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 730
FEB	---	AUG	7 080
MAR	427	SEP	8 510
APR	8 080	OCT	3 880
MAY	8 080	NOV	---
JUN	4 820	DEC	---

TOTAL DISCHARGE, 41 000 dam³

LITTLE SMOKY RIVER AT LITTLE SMOKY - STATION NO. 07GE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.728	2.828	23.1	43.2	98.0	26.8	36.4	12.7	7.76	---	1
2	---	---	1.848	3.178	25.2	37.8	182	32.5	33.8	12.7	8.18A	---	2
3	---	---	1.828	3.268	28.7	33.1	258	67.9	31.8	13.2	---	---	3
4	---	---	1.848	3.268	29.4	28.3	221	143	28.6	13.5	---	---	4
5	---	---	2.018	3.348	29.3	23.8	188	170	27.2	13.0	---	---	5
6	---	---	2.068	3.618	28.0	20.5	122	181	25.8	12.8	---	---	6
7	---	---	2.098	3.608	26.6	18.0	101	114	25.7	12.3	---	---	7
8	---	---	2.008	4.088	24.8	15.7	88.2	85.4	25.1	12.0	---	---	8
9	---	---	1.858	4.088	23.4	16.5	171	69.3	24.8	11.8	---	---	9
10	---	---	1.898	3.918	21.6	43.8	180	83.0	25.2	11.7	---	---	10
11	---	---	1.788	4.208	19.8	80.4	180	84.1	33.2	11.3	---	---	11
12	---	---	1.708	4.838	18.0	88.7	133	54.8	30.3	11.0	---	---	12
13	---	---	1.888	5.838	18.2	85.5	113	46.8	27.1	10.8	---	---	13
14	---	---	1.858	6.628	18.5	63.8	90.5	39.4	24.3	10.6	---	---	14
15	---	---	1.828	7.678	18.8	37.8	78.5	35.2	22.0	10.3	---	---	15
16	---	---	1.818	8.898	15.1	34.9	85.3	37.7	20.8	10.1	---	---	16
17	---	---	1.828	8.818	13.7	33.6	77.4	81.3	20.4	9.88	---	---	17
18	---	---	1.368	9.028	13.2	31.4	64.8	88.2	19.5	9.00	---	---	18
19	---	---	1.328	11.4 B	23.3	27.4	55.6	93.7	18.7	8.22	---	---	19
20	---	---	1.688	13.2 B	101	24.1	48.4	87.9	18.3	10.2	---	---	20
21	---	---	1.888	13.4 B	148	21.8	47.4	73.7	17.8	10.2	---	---	21
22	---	---	1.898	15.8 B	135	19.8	60.5	83.8	17.3	10.3	---	---	22
23	---	---	1.838	15.6	119	18.8	69.3	80.6	18.8	9.88	---	---	23
24	---	---	1.828	18.3	97.8	18.0	58.1	68.8	18.1	9.72	---	---	24
25	---	---	1.828	19.3	87.0	18.8	51.4	60.5	15.3	9.80	---	---	25
26	---	---	1.818	20.8	82.3	15.5	47.8	48.4	14.8	9.28	---	---	26
27	---	---	1.878	21.8	76.5	16.0	43.8	44.8	13.8	9.18	---	---	27
28	---	2.038	1.788	21.3	71.5	84.8	37.8	44.8	13.4	9.28	---	---	28
29	---	---	1.878	21.8	86.8	113	33.7	43.5	12.9	9.18	---	---	29
30	---	---	2.178	22.1	88.8	108	31.5	41.2	12.8	8.82	---	---	30
31	---	---	2.578		80.2		31.4	39.2		8.48		---	31
TOTAL	---	---	54.78	301.47	1 818.0	1 119.2	3 027.3	2 068.1	884.8	331.88	---	---	TOTAL
MEAN	---	---	1.77	10.0	48.9	37.3	97.7	67.4	29.2	10.7	---	---	MEAN
MAX	---	---	2.87	22.1	148	113	286	170	38.4	13.5	---	---	MAX
MIN	---	---	1.32	2.82	13.2	15.5	31.4	28.8	12.8	8.48	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 37.3
MAXIMUM DAILY, 286 ON JUL 3
MINIMUM DAILY, 1.328 ON MAR 19
MAXIMUM INSTANTANEOUS,
286 AT 13:00 MST ON JUL 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 44 24 N
LONG 117 10 46 W
DRAINAGE AREA, 3 010 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	282 000
FEB	---	AUG	180 000
MAR	4 730	SEP	80 000
APR	28 000	OCT	28 600
MAY	131 000	NOV	---
JUN	88 700	DEC	---

TOTAL DISCHARGE, 789 000 dam³

LITTLE SMOKY RIVER NEAR GUY - STATION NO. 07GH002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.888	1.808	2.718	3.048	58.5	180	174	84.8	83.8	35.4	20.2	16.88	1
2	1.748	1.788	2.778	3.078	61.8	133	201	88.4	88.2	37.2	19.3	16.68	2
3	1.788	1.808	2.618	3.328	66.5	118	806	72.1	78.4	35.6	18.1	16.48	3
4	1.788	1.628	2.848	3.808	67.8	106	643	163	72.4	34.8	22.1	17.58	4
5	1.868	1.648	3.008	4.558	66.8	93.5	487	441	68.2	34.9	26.2	17.28	5
6	1.838	1.888	3.188	5.828	65.0	82.2	383	485	63.1	34.7	26.1	16.88	6
7	2.028	1.868	3.378	6.518	63.0	72.5	287	387	58.2	33.4	28.5	16.68	7
8	2.278	1.708	3.428	7.088	60.0	65.4	218	298	56.8	30.6	28.7 B	16.28	8
9	2.348	1.728	3.418	8.648	58.4	60.4	282	227	58.2	30.0	26.1 B	15.88	9
10	2.368	1.788	3.408	11.0 B	63.4	60.8	858	188	64.2	29.0	21.4 B	14.88	10
11	2.368	1.748	3.488	14.8 B	80.1	84.7	883	183	86.8	27.8	17.8 B	14.38	11
12	2.128	1.748	3.488	14.8 B	48.7	178	484	184	84.5	27.3	12.8 B	15.28	12
13	1.938	1.788	3.408	21.0 B	43.8	173	388	178	80.8	26.4	11.1 B	15.08	13
14	2.088	1.808	3.348	26.0 B	41.4	143	294	145	87.3	25.8	9.228	14.78	14
15	2.138	1.898	3.278	23.8 B	40.2	119	236	121	82.0	24.8	15.0 B	14.38	15
16	2.008	2.108	3.488	27.8 B	37.8	100	193	108	48.8	24.3	18.8 B	13.88	16
17	1.828	2.168	3.448	41.2 B	34.2	88.8	190	96.8	45.7	23.7	20.8 B	14.28	17
18	1.838	2.268	3.208	39.0 B	31.7	83.8	185	101	43.7	22.4	22.1 B	13.68	18
19	2.008	2.328	3.158	36.1 B	34.0	77.4	143	127	43.4	21.0	22.7 B	13.38	19
20	1.938	2.618	3.108	35.2 B	120	72.0	126	164	43.5	21.1	22.8 B	13.48	20
21	1.868	2.848	3.008	42.0 B	721 A	84.1	116	148	43.5	22.1	24.2 B	13.68	21
22	1.948	2.848	2.908	80.1	788 A	88.2	108	135	42.7	23.4	26.8 B	12.88	22
23	1.888	2.888	2.788	47.1	820 A	86.8	118	124	42.2	22.8	26.8 B	12.78	23
24	1.868	2.888	2.788	80.4	498 A	82.8	117	121	41.3	22.7	26.1 B	12.58	24
25	1.808	2.808	2.888	84.4	400	80.3	108	128	40.1	22.8	23.7 B	12.68	25
26	1.888	2.808	2.788	87.1	341	48.8	108	118	38.8	22.1	23.2 B	15.88	26
27	1.878	2.488	2.828	87.8	295	44.0	107	110	38.3	21.8	22.1 B	16.48	27
28	1.868	2.408	3.048	86.3	258	42.8	88.5	107	34.4	21.8	21.3 B	20.28	28
29	1.848		3.148	85.0	235	44.1	84.3	107	33.5	20.8	20.8 B	16.88	29
30	1.858		2.868	84.1	194	158	75.1	104	33.7	21.0	19.8 B	16.68	30
31	1.808		2.948		170		68.4	89.1		20.3		16.38	31
TOTAL	58.84	57.88	98.32	884.11	5 810.7	2 880.8	7 832.3	5 128.3	1 816.3	819.7	644.02	482.8	TOTAL
MEAN	1.92	2.07	3.11	28.5	181	88.4	243	165	53.8	26.4	21.5	15.8	MEAN
MAX	2.36	2.66	3.48	87.8	788	178	843	484	83.8	37.2	28.8	20.2	MAX
MIN	1.87	1.80	2.71	3.04	31.7	42.8	68.4	84.8	32.5	20.3	9.22	12.8	MIN

SUMMARY FOR THE YEAR 1989

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 70.2
MAXIMUM DAILY, 788A ON MAY 22
MINIMUM DAILY, 1.678 ON JAN 27
MAXIMUM INSTANTANEOUS,
882 AT 02:00 MST ON MAY 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 27 25 N
LONG 117 09 40 W
DRAINAGE AREA, 11 100 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 140	JUL	651 000
FEB	5 000	AUG	443 000
MAR	8 320	SEP	140 000
APR	78 400	OCT	70 800
MAY	485 000	NOV	55 800
JUN	232 000	DEC	41 700

TOTAL DISCHARGE, 2 210 000 dam³

REMARKS - PEAK DISCHARGE WAS DERIVED FROM HIGH WATER MARK

LLOYD CREEK NEAR BLUFFTON - STATION NO. 05CC009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0508	0.1858	0.848	0.8008	0.418	0.080	0.880	0.181	0.908	---	1
2	---	---	0.0508	0.2358	0.788	0.8708	0.388	0.098	0.718	0.163	0.838	---	2
3	---	---	0.0508	0.3008	0.758	0.8508	0.288	0.201	0.685	0.170	0.874	---	3
4	---	---	0.0508	0.4298	0.771	0.4808	0.230	0.800	0.887	0.188	0.887	---	4
5	---	---	0.0508	0.6008	0.781	0.381A	0.284	1.48	0.478	0.185	0.958	---	5
6	---	---	0.0508	1.14 B	0.717	0.328	0.188	1.72	0.450	0.228	0.970	---	6
7	---	---	0.0548	1.26 B	0.684	0.285	0.127	1.80	0.424	0.230	0.977A	---	7
8	---	---	0.0588	1.38 B	0.713	0.248	0.127	1.38	0.410	0.212	---	---	8
9	---	---	0.0628	1.27 B	0.887	0.293	0.248	1.19	0.428	0.202	---	---	9
10	---	---	0.0668	1.24 B	0.880	0.428	0.888	1.11	0.388	0.282	---	---	10
11	---	---	0.0508	1.81 B	0.838	0.814	0.881	0.885	0.282	0.418	---	---	11
12	---	---	0.0498	3.72 B	0.832	0.482	1.42	0.803	0.274	0.810	---	---	12
13	---	---	0.0488	8.58 B	0.832	0.383	1.84	0.688	0.288	0.817	---	---	13
14	---	---	0.0478	13.7	0.880	0.278	1.35	0.490	0.231	0.878	---	---	14
15	---	---	0.0478	16.3	0.500	0.288	0.988	0.344	0.208	0.776	---	---	15
16	---	---	0.0478	14.7	0.483	0.284	0.778	0.388	0.213	0.830	---	---	16
17	---	---	0.0478	10.7	0.438	0.300	0.811	1.16	0.178	0.718	---	---	17
18	---	---	0.0478	8.83	0.403	0.284	0.533	2.30	0.187	0.884	---	---	18
19	---	---	0.0478	3.81	0.878	0.212	0.488	2.82	0.178	0.683	---	---	19
20	---	---	0.0478	2.43	3.21	0.178	0.384	2.13	0.180	0.858	---	---	20
21	---	---	0.0478	2.17	7.31	0.183	0.488	1.88	0.200	0.838	---	---	21
22	---	---	0.0498	2.18	9.04	0.183	0.480	1.38	0.284	0.891	---	---	22
23	---	---	0.0528	2.10	8.88	0.174	0.304	1.11	0.488	0.488	---	---	23
24	---	---	0.0558	2.32 E	5.10 E	0.185	0.214	0.883	0.288	0.858	---	---	24
25	---	---	0.0508	2.48 A	4.00 E	0.183	0.122	0.707	0.188	1.28	---	---	25
26	---	---	0.0758	2.03	3.10 E	0.137	0.078	0.878	0.120	2.72	---	---	26
27	---	---	0.0908	1.84	2.40 E	0.188	0.078	0.482	0.141	2.77	---	---	27
28	---	---	0.1108	1.81	1.88 E	0.348	0.087	0.421	0.132	2.07	---	---	28
29	---		0.1308	1.44	1.60 E	0.482	0.089	0.417	0.123	1.88	---	---	29
30	---		0.1508	0.871	1.18 E	0.439	0.074	0.482	0.132	1.28	---	---	30
31	---		0.1708		1.00 E		0.070	0.833		1.12		---	31
TOTAL	---	---	1.883	108.880	88.818	10.011	13.878	30.127	8.880	23.814	---	---	TOTAL
MEAN	---	---	0.084	3.83	1.88	0.334	0.441	0.872	0.318	0.788	---	---	MEAN
MAX	---	---	0.170	16.3	8.04	0.800	1.84	2.82	0.718	2.77	---	---	MAX
MIN	---	---	0.047	0.188	0.403	0.137	0.089	0.080	0.120	0.181	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.08
MAXIMUM DAILY, 16.3 ON APR 15
MINIMUM DAILY, 0.0478 ON MAR 14
MAXIMUM INSTANTANEOUS,
16.8 AT 15:44 MST ON APR 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 44 30 N
LONG 114 05 50 W
DRAINAGE AREA, 241 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 180
FEB	---	AUG	2 800
MAR	173	SEP	825
APR	9 420	OCT	2 080
MAY	5 080	NOV	---
JUN	888	DEC	---

TOTAL DISCHARGE, 22 200 dam³

LODGE CREEK AT HIGHWAY NO. 41 - STATION NO. 11AB803

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	1.10 B	0.103	0.238	0.158	0	0	0.101	---	---	1
2	---	---	---	1.00 B	0.088	0.188	0.143	0	0	0.044	---	---	2
3	---	---	---	0.8008	0.084	0.144	0.188	0	0	0	---	---	3
4	---	---	---	0.8008	0.088	0.102	0.142	0	0	0	---	---	4
5	---	---	---	0.7008	0.058	0.073	0.138	0	0	0	---	---	5
6	---	---	---	0.6008	0.087	0.082	0.124	0	0	0	---	---	6
7	---	---	---	0.5008	0.085	0.038	0.108	0	0	0	---	---	7
8	---	---	---	0.4008	0.088	0.003	0.071	0	0	0	---	---	8
9	---	---	---	0.3008	0.033	0	0.012	0	0	0	---	---	9
10	---	---	---	0.2008	0.033	0	0	0	0	0	---	---	10
11	---	---	---	0.2188	0.023	0.002	0	0	0	0	---	---	11
12	---	---	---	0.2308	0.003	0.050	0	0	0	0	---	---	12
13	---	---	---	0.2308	0	0.185	0	0	0	0	---	---	13
14	---	---	---	0.2308	0	0.131	0	0	0	0	---	---	14
15	---	---	---	0.2308	0	0.083	0	0	0	0	---	---	15
16	---	---	---	0.2408	0	0.032	0	0	0	0	---	---	16
17	---	---	---	0.238	0	0.001	0	0	0	0	---	---	17
18	---	---	---	0.234	0	0	0	0	0	0	---	---	18
19	---	---	---	0.288	0	0	0	0	0	0	---	---	19
20	---	---	---	0.384	0	0	0	0	0	0	---	---	20
21	---	---	---	0.883	0	0	0	0	0	0	---	---	21
22	---	---	---	0.550	0	0	0	0	0	0	---	---	22
23	---	---	---	0.418	0	0	0	0	0	0	---	---	23
24	---	---	---	0.240	0	0	0	0	0	0	---	---	24
25	---	---	---	0.184	0	0	0	0	0	0	---	---	25
26	---	---	---	0.188	0	0	0	0	0.187	0	---	---	26
27	---	---	---	0.188	0	0.010	0	0	0.177	0	---	---	27
28	---	---	---	0.134	0.177	0.058	0	0	0.152	0	---	---	28
29	---		---	0.133	0.783	0.104	0	0	0.131	0	---	---	29
30	---		1.388	0.108	0.484	0.121	0	0	0.128	0	---	---	30
31	---		---		0.284		0	0		0		---	31
TOTAL	---	---	---	11.674	3.398	1.898	1.033	0	0.772	0.145	---	---	TOTAL
MEAN	---	---	---	0.388	0.077	0.053	0.033	0	0.028	0.005	---	---	MEAN
MAX	---	---	---	1.10	0.783	0.238	0.158	0	0.187	0.101	---	---	MAX
MIN	---	---	---	0.108	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.032
MAXIMUM DAILY, 0.783 ON MAY 29
MINIMUM DAILY, 0 ON MAY 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 25 10 N
LONG 110 15 30 W
DRAINAGE AREA, 389 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	89.3
FEB	---	AUG	0
MAR	---	SEP	69.7
APR	1 000	OCT	13.5
MAY	207	NOV	---
JUN	138	DEC	---

TOTAL DISCHARGE, 514 dam³

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

LOGAN RIVER NEAR THE MOUTH - STATION NO. 07CA012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.3288	0.8818	1.778	2.38	2.83E	2.03	3.18	1.88	1.378	---	1
2	---	---	0.3278	0.8038	1.88	2.34	2.98E	2.30	3.18	1.97	---	---	2
3	---	---	0.3308	0.8238	1.82	2.38	3.48E	2.82	3.18	2.00	---	---	3
4	---	---	0.3188	0.8448	1.81	2.38	3.77E	2.82	3.18	1.98	---	---	4
5	---	---	0.3188	0.8648	1.87	2.26	3.78A	3.83	3.00	1.98	---	---	5
6	---	---	0.3238	0.8748	1.83	2.17	3.77	3.82	2.88	1.88	---	---	6
7	---	---	0.3318	0.8878	1.82	2.27	3.48	3.82	2.74	1.83	---	---	7
8	---	---	0.3388	0.7188	1.80	2.74	3.26	3.20	2.83	1.88	---	---	8
9	---	---	0.3288	0.7188	1.44	2.78	3.13	2.82	2.87	1.84	---	---	9
10	---	---	0.3388	0.7638	1.38	3.25	3.01	2.88	3.48	1.84	---	---	10
11	---	---	0.3408	0.7818	1.38	3.82	2.81	2.38	2.37	1.83	---	---	11
12	---	---	0.3478	0.7978	1.44	3.87	2.82	2.18	2.33	1.81	---	---	12
13	---	---	0.3598	0.8748	1.88	3.78	2.42	1.88	2.22	1.78	---	---	13
14	---	---	0.3718	0.8038	1.80	3.38	2.24	1.83	2.11	1.78	---	---	14
15	---	---	0.3808	1.88 B	1.43	3.08	2.08	1.88	2.01	1.74	---	---	15
16	---	---	0.3888	1.44 B	1.34	2.80	1.87	1.87	2.02	1.73	---	---	16
17	---	---	0.3898	2.10 B	1.32	2.70	1.78	1.48	2.08	1.70	---	---	17
18	---	---	0.4008	2.12 B	1.30	3.11	1.88	1.48	2.08	1.87	---	---	18
19	---	---	0.4108	1.71 B	1.28A	3.58	1.58	1.48	2.17	1.88	---	---	19
20	---	---	0.4238	1.88 B	1.32E	3.82	1.53	1.47	2.18	1.88	---	---	20
21	---	---	0.4388	1.87 B	1.50E	3.85	1.42	1.48	2.18	1.85	---	---	21
22	---	---	0.4478	1.98 B	1.67E	3.87	1.38	1.73	2.18	1.85	---	---	22
23	---	---	0.4838	2.10 B	2.22E	3.38	1.43	2.08	2.18	1.83	---	---	23
24	---	---	0.4818	2.00 B	2.78E	3.18	1.48	2.22	2.13	1.80	---	---	24
25	---	---	0.4988	1.87 B	3.10E	2.87	1.88	2.38	2.13	1.88	---	---	25
26	---	---	0.5088	1.71 B	3.24A	2.81	2.18	2.35	2.13	1.88	---	---	26
27	---	---	0.5208	1.88 B	3.17	2.84	2.27	2.22	2.07	1.88	---	---	27
28	---	---	0.5308	1.84 B	3.02	2.80A	2.28	2.13	2.03	1.88	---	---	28
29	---		0.5438	1.70 B	2.81	2.80E	2.25	2.25	1.87	1.88	---	---	29
30	---		0.5578	1.77 B	2.53	2.88E	2.07	2.78	1.90	1.848	---	---	30
31	---		0.5678		2.44		1.97	2.96		1.428		---	31
TOTAL	---	---	12.828	38.928	68.20	88.42	74.18	73.85	71.48	53.84	---	---	TOTAL
MEAN	---	---	0.407	1.30	1.88	2.95	2.39	2.25	2.38	1.74	---	---	MEAN
MAX	---	---	0.567	2.12	3.24	3.87	3.78	3.83	3.18	2.00	---	---	MAX
MIN	---	---	0.318	0.681	1.28	2.17	1.38	1.48	1.90	1.42	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.83
MAXIMUM DAILY, 3.87 ON JUN 12
MINIMUM DAILY, 0.318B ON MAR 4
MAXIMUM INSTANTANEOUS,
4.06 AT 08:33 MST ON JUN 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 10 44 N
LONG 111 42 42 W
DRAINAGE AREA, 435 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL 5 410	
FEB	---	AUG 3 280	
MAR 1 080		SEP 2 180	
APR 3 380		OCT 1 880	
MAY 5 030		NOV ---	
JUN 7 840		DEC ---	

TOTAL DISCHARGE, 40 700 dam³

LOMOND LATERAL NEAR HEADGATE - STATION NO. 05AC017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	0	8.88	11.4	9.84	2.38	8.34	---	---	1
2	---	---	---	0	0	8.88	11.8	9.43	2.34	8.38	---	---	2
3	---	---	---	0	0	8.87	11.8	9.81	2.34	8.47	---	---	3
4	---	---	---	0	0	8.88	11.7	9.88	2.33	8.43	---	---	4
5	---	---	---	0	0	7.81	11.8	9.80	2.30	8.27	---	---	5
6	---	---	---	0	0	8.38	11.8	9.88	2.04	2.47	---	---	6
7	---	---	---	0	0	9.32	13.2	9.88	1.80	0	---	---	7
8	---	---	---	0	0	9.88	14.1	9.04	1.88	0	---	---	8
9	---	---	---	0	0	8.43	14.1	8.71	1.82	0	---	---	9
10	---	---	---	0	1.88	7.87	14.2	7.87	1.78	0	---	---	10
11	---	---	---	0	3.93	7.81	14.2	7.21	1.88	0	---	---	11
12	---	---	---	0	4.82	7.84	14.1	7.30	1.48	0	---	---	12
13	---	---	---	0	4.84	8.83	14.0	7.32	1.44	0	---	---	13
14	---	---	---	0	4.85	8.87	12.8	8.02	1.44	0	---	---	14
15	---	---	---	0	4.84	8.83	12.0	4.80	1.45	0	---	---	15
16	---	---	---	0	4.88	8.88	12.1	4.85	1.42	0	---	---	16
17	---	---	---	0	4.83	8.11	12.1	4.20	1.43	0	---	---	17
18	---	---	---	0	5.41	8.18	12.1	3.81	1.43	0	---	---	18
19	---	---	---	0	7.34	8.28	12.1	3.88	1.43	0	---	---	19
20	---	---	---	0	8.70	8.84	12.0	3.80	1.83	0	---	---	20
21	---	---	---	0	8.74	10.4	12.0	3.14	2.11	0	---	---	21
22	---	---	---	0	8.78	12.2	12.0	3.88	3.48	0	---	---	22
23	---	---	---	0	8.38	13.2	12.0	3.80	2.82	0	---	---	23
24	---	---	---	0	8.70	13.2	12.1	3.84	2.62	0	---	---	24
25	---	---	---	0	7.84	13.3	12.1	3.03	2.83	0	---	---	25
26	---	---	---	0	8.87	13.3	12.1	3.01	3.48	0	---	---	26
27	---	---	---	0	8.82	13.3	11.3	3.84	4.88	0	---	---	27
28	---	---	---	0	8.84	12.5	11.8	3.87	4.83	0	---	---	28
29	---		---	0	8.88	11.7	11.2	3.84	5.88	0	---	---	29
30	---		0A	0	8.88	11.8	11.2	3.83	5.42	0 A	---	---	30
31	---		0		8.84		10.4	3.44		0 E		---	31
TOTAL	---	---	---	0	140.82	273.78	380.4	178.24	73.73	34.38	---	---	TOTAL
MEAN	---	---	---	0	4.54	9.13	12.3	5.75	2.48	1.11	---	---	MEAN
MAX	---	---	---	0	8.78	13.3	14.2	9.88	5.42	8.47	---	---	MAX
MIN	---	---	---	0	0	8.03	10.4	3.44	1.42	0	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.05
MAXIMUM DAILY, 14.2 ON JUL 10
MINIMUM DAILY, 0 ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 12 50 N
LONG 112 38 40 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL 32 900	
FEB	---	AUG 15 400	
MAR	---	SEP 6 370	
APR	0	OCT 2 870	
MAY 12 200		NOV ---	
JUN 23 700		DEC ---	

TOTAL DISCHARGE, 93 500 dam³

LOVETT RIVER NEAR THE MOUTH - STATION NO. 07BA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.82 E	1.46	1.72	1.87	3.53	1.35	---	---	1
2	---	---	---	---	1.82 A	1.30	1.55	2.35	3.84	1.31	---	---	2
3	---	---	---	---	1.89 B	1.26	1.62	3.08	3.14	1.30	---	---	3
4	---	---	---	---	1.97 B	1.26	1.48	2.84	2.82	1.24	---	---	4
5	---	---	---	---	1.83 B	1.21	1.55	3.03	2.84	1.28	---	---	5
6	---	---	---	---	1.93	1.16	1.43	1.72	2.87	1.21	---	---	6
7	---	---	---	---	1.82	1.17	1.87	1.60	3.00	1.16	---	---	7
8	---	---	---	---	1.58	1.13	5.61	1.48	2.92	1.18	---	---	8
9	---	---	---	---	1.47	1.28	5.75	1.45	2.91	1.10	---	---	9
10	---	---	---	---	1.34	2.00	5.37	1.64	2.78	1.16	---	---	10
11	---	---	---	---	1.32	2.21	10.8	1.44	2.81	1.32	---	---	11
12	---	---	---	---	1.24	1.82	6.58	1.34	2.28	1.21	---	---	12
13	---	---	---	---	1.17	1.58	4.84	1.31	2.19	1.08	---	---	13
14	---	---	---	---	1.08	1.57	4.20	1.28	2.10	1.02 B	---	---	14
15	---	---	---	---	1.02	1.78	4.47	1.77	1.98	1.01 B	---	---	15
16	---	---	---	---	0.986	1.97	3.82	5.98	2.30	0.8688	---	---	16
17	---	---	---	---	1.00	2.08	3.11	12.8	2.73	0.9288	---	---	17
18	---	---	---	---	1.03	1.78	2.88	6.71	2.82	0.8508	---	---	18
19	---	---	---	---	1.17	1.64	2.58	5.07	2.32	1.00 B	---	---	19
20	---	---	---	---	1.19	1.63	2.36	4.48	2.28	1.01 B	---	---	20
21	---	---	---	---	1.38	1.90	2.31	4.39	2.15	0.9848	---	---	21
22	---	---	---	---	1.35	1.39	2.37	3.89	1.98	0.920	---	---	22
23	---	---	---	---	1.28	1.48	2.03	3.58	1.83	0.8788	---	---	23
24	---	---	---	---	1.31	1.57	3.08	3.26	1.74	0.8618	---	---	24
25	---	---	---	---	1.42	1.70	1.91	2.98	1.67	0.818	---	---	25
26	---	---	---	---	1.48	1.52	1.73	3.22	1.61	0.7058	---	---	26
27	---	---	---	---	1.58	2.58	1.67	3.12	1.48	0.7058	---	---	27
28	---	---	---	---	1.76	2.84	1.58	3.04	1.38	0.7058	---	---	28
29	---		---	---	1.83	2.18	1.51	3.18	1.31	0.7058	---	---	29
30	---		---	---	1.58	1.89	1.43	3.07	1.34	0.7058	---	---	30
31	---		---		1.88		1.84	4.36		0.7058			31
TOTAL	---	---	---	---	45.459	49.71	88.43	89.98	70.07	31.303	---	---	TOTAL
MEAN	---	---	---	---	1.47	1.66	3.18	3.23	2.34	1.01	---	---	MEAN
MAX	---	---	---	---	1.98	2.84	10.8	12.8	3.84	1.35	---	---	MAX
MIN	---	---	---	---	0.986	1.13	1.43	1.28	1.31	0.705	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.15
MAXIMUM DAILY, 12.8 ON AUG 17
MINIMUM DAILY, 0.7058 ON OCT 26
MAXIMUM INSTANTANEOUS,
14.6 AT 04:30 MST ON AUG 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 59 50 N
LONG 116 32 20 W
DRAINAGE AREA, 101 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	8 500
FEB	---	AUG	8 840
MAR	---	SEP	6 950
APR	---	OCT	3 700
MAY	3 930	NOV	---
JUN	4 380	DEC	---

TOTAL DISCHARGE, 34 100 dam³

LOWER KANANASKIS LAKE - STATION NO. 05BF009

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1662.89	1659.85	1658.78	1655.42	1656.86	1657.14	1662.07	1663.82	1665.22	1666.28	1666.45	1666.59	1
2	1662.82	1659.85	1658.84	1655.43	1656.81	1657.23	1662.17	1663.82	1665.27	1666.31	1666.45	1666.58	2
3	1662.72	1659.76	1658.81	1655.41	1656.88	1657.38	1662.26	1663.82	1665.31	1666.31	1666.46	1666.66	3
4	1662.64	1659.75	1658.81	1655.42	1656.81	1657.58	1662.40	1663.85	1665.37	1666.27	1666.51	1666.74	4
5	1662.58	1659.70	1658.67	1655.45	1656.88	1657.84	1662.44	1663.80	1665.52	1666.26	1666.56	1666.76	5
6	1662.45	1659.64	1658.38	1656.47	1656.17	1658.07	1662.53	1663.85	1665.54	1666.23	1666.57	1666.74	6
7	1662.38	1659.62	1658.19	1655.46	1656.27	1658.26	1662.61	1663.74	1665.58	1666.17	1666.57	1666.73	7
8	1662.33	1659.56	1658.02	1655.50	1656.38	1658.47	1662.68	1663.78	1665.63	1666.18	1666.60	1666.68	8
9	1662.28	1659.18	1658.88	1655.51	1656.43	1658.74	1662.76	1663.88	1665.68	1666.21	1666.61	1666.63	9
10	1662.17	1659.08	1658.82	1655.50	1656.53	1658.89	1662.87	1664.02	1665.73	1666.23	1666.62	1666.61	10
11	1662.07	1658.87	1655.62	1656.52	1656.80	1658.22	1662.97	1664.04	1665.81	1666.23	1666.61	1666.57	11
12	1662.05	1658.82	1655.61	1656.52	1656.82	1659.49	1663.05	1664.07	1665.86	1666.24	1666.58	1666.55	12
13	1661.98	1658.74	1655.78	1656.54	1656.72	1658.71	1663.14	1664.08	1665.88	1666.34	1666.60	1666.48	13
14	1661.88	1658.61	1655.76	1656.55	1656.61	1658.88	1663.21	1664.08	1665.90	1666.40	1666.59	1666.48	14
15	1661.79	1658.48	1655.68	1656.57	1656.78	1660.10	1663.30	1664.10	1665.84	1666.44	1666.64	1666.47	15
16	1661.69	1658.31	1655.68	1656.60	1656.78	1660.32	1663.39	1664.02	1665.88	1666.46	1666.62	1666.52	16
17	1661.60	1658.21	1655.61	1656.59	1656.78	1660.51	1663.49	1664.07	1665.92	1666.46	1666.58	1666.57	17
18	1661.49	1658.20	1655.58	1656.61	1656.73	1660.66	1663.58	1664.09	1665.96	1666.47	1666.58	1666.50	18
19	1661.40	1658.13	1655.53	1656.64	1656.78	1660.67	1663.65	1664.14	1666.11	1666.47	1666.74	1666.44	19
20	1661.30	1658.06	1655.47	1656.61	1656.87	1661.00	1663.74	1664.18	1666.09	1666.51	1666.71	1666.36	20
21	1661.18	1657.90	1655.43	1656.58	1656.85	1661.03	1663.78	1664.24	1666.12	1666.53	1666.71	1666.32	21
22	1660.97	1657.78	1655.41	1656.71	1657.03	1661.14	1663.86	1664.30	1666.11	1666.55	1666.69	1666.30	22
23	1660.85	1657.80	1655.37	1656.76	1657.02	1661.24	1663.84	1664.36	1666.13	1666.51	1666.70	1666.33	23
24	1660.78	1657.64	1655.37	1656.75	1656.97	1661.35	1664.00	1664.46	1666.18	1666.45	1666.70	1666.32	24
25	1660.83	1657.37	1655.38	1655.77	1656.85	1661.45	1664.08	1664.57	1666.17	1666.52	1666.68	1666.32	25
26	1660.61	1657.30	1655.32	1655.78	1656.83	1661.52	1664.10	1664.62	1666.13	1666.48	1666.74	1666.32	26
27	1660.41	1657.12	1655.36	1655.81	1656.88	1661.64	1664.13	1664.68	1666.18	1666.46	1666.68	1666.30	27
28	1660.38	1656.83	1655.40	1655.83	1657.06	1661.75	1664.13	1664.81	1666.19	1666.53	1666.67	1666.24	28
29	1660.30		1655.41	1655.85	1657.06	1661.79	1664.09	1664.93	1666.25	1666.58	1666.63	1666.17	29
30	1660.19		1655.38	1655.84	1657.06	1661.85	1664.04	1665.04	1666.27	1666.53	1666.61	1666.20	30
31	1660.04		1655.41		1657.06		1664.03	1665.09		1666.51		1666.32	31
MEAN	1661.57	1658.55	1655.78	1655.90	1656.85	1659.88	1663.31	1664.22	1665.87	1666.38	1666.62	1666.48	MEAN
MAX	1662.89	1659.85	1658.78	1656.58	1657.06	1661.85	1664.13	1665.09	1666.27	1666.55	1666.74	1666.76	MAX
MIN	1660.04	1656.83	1655.32	1655.41	1656.86	1657.14	1662.07	1663.74	1666.22	1666.17	1666.46	1666.17	MIN

SUMMARY FOR THE YEAR 1989

WATER LEVELS IN METRES

MEAN, 1661.77
MAXIMUM DAILY, 1666.76 ON DEC 5
MINIMUM DAILY, 1655.32 ON MAR 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 41 20 N
LONG 115 07 30 W
DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED

DRAINAGE AREA,
369 km²

WATER LEVELS ARE REFERRED TO TRANSALTA UTILITIES DATUM
APPLY 0.393 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

LOYALIST CREEK NEAR CONSORT - STATION NO. 05GA013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0248	0.004	0.007	0	0	0	0	---	---	1
2	---	---	0 B	0.0218	0.003	0.007	0	0	0	0	---	---	2
3	---	---	0 B	0.0188	0.003	0.007	0	0	0	0	---	---	3
4	---	---	0 B	0.0148	0.001	0.007	0	0	0	0	---	---	4
5	---	---	0 B	0.0108	0	0.008	0	0	0	0	---	---	5
6	---	---	0 B	0.0348	0	0.008	0	0	0.188	0	---	---	6
7	---	---	0 B	0.0738	0.001	0.008	0	0	0.104	0	---	---	7
8	---	---	0 B	0.0628	0.001	0.008	0	0	0.002	0	---	---	8
9	---	---	0 B	0.0278	0.001	0.008	0	0	0	0	---	---	9
10	---	---	0 B	0.0378	0.002	0.144	1.17	0	0	0.218	---	---	10
11	---	---	0 B	0.1208	0.002	0.088	0.131	0	0	0.808	---	---	11
12	---	---	0 B	0.1038	0.002	0.004	0.008	0	0	0.472	---	---	12
13	---	---	0 B	0.0488	0.002	0.008	0.004	0	0	0.428	---	---	13
14	---	---	0 B	0	0.002	0.008	0.008	0	0	0.198	---	---	14
15	---	---	0 B	0	0.002	0.008	0.008	0	0	0	---	---	15
16	---	---	0 B	0	0.003	0.008	0.008	0	0	0	---	---	16
17	---	---	0 B	0	0.003	0.008	0.008	0	0	0	---	---	17
18	---	---	0 B	0	0.004	0.008	0.008	0	0	0	---	---	18
19	---	---	0 B	0	0.008	0.004	0.008	0	0	0	---	---	19
20	---	---	0 B	0	0.008	0.004	0.008	0	0	0	---	---	20
21	---	08	0 B	0.070	0.005	0.003	0.008	0	0	0	---	---	21
22	---	08	0 B	0.067	0.005	0	0.008	0	0	0	---	---	22
23	---	08	0 B	0.050	0.008	0	0.008	0	0	0	---	---	23
24	---	08	0 B	0.041	0.014	0	0.008	0	0	0	---	---	24
25	---	08	0 B	0.022	0.024	0	0.008	0	0	0	---	---	25
26	---	08	0 B	0.008	0.008	0	0.008	0	0	0	---	---	26
27	---	08	0 B	0.002	0.008	0	0.008	0	0	0	---	---	27
28	---	08	0.0048	0.002	0.007	0	0.004	0	0	0	---	---	28
29	---		0.0208	0.003	0.007	0	0.002	0	0	0	---	---	29
30	---		0.0328	0.003	0.007	0	0	0	0	0	---	---	30
31	---		0.0288		0.007		0	0		0		---	31
TOTAL	---	---	0.084	0.874	0.147	0.304	1.367	0	0.272	1.823	---	---	TOTAL
MEAN	---	---	0.003	0.028	0.005	0.010	0.045	0	0.008	0.058	---	---	MEAN
MAX	---	---	0.032	0.120	0.024	0.144	1.17	0	0.188	0.808	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.020
MAXIMUM DAILY, 1.17 ON JUL 10
MINIMUM DAILY, 0.0 ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 00 04 N
LONG 110 48 54 W
DRAINAGE AREA, 280 km²

B - ICE CONDITIONS

REGULATED SINCE 1984

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	120
FEB	---	AUG	0
MAR	7.26	SEP	23.5
APR	75.5	OCT	158
MAY	13.7	NOV	---
JUN	26.3	DEC	---

TOTAL DISCHARGE, 423 dam³

LUTOSE CREEK NEAR STEEN RIVER - STATION NO. 07CD006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	08	0 B	2.288	3.22	1.41	0.283	0.088	0.018	---	---	1
2	---	---	08	0 B	2.768	3.40	1.34	0.258	0.081	0.017	---	---	2
3	---	---	08	0 B	3.328	3.61	1.26	0.378	0.081	0.017	---	---	3
4	---	---	08	0 B	4.288	3.41	1.16	0.458	0.041	0.017	---	---	4
5	---	---	08	0 B	5.508	3.18	1.11	0.438	0.038	0.018	---	---	5
6	---	---	08	0 B	6.218	3.23	1.08	0.367	0.038	0.018	---	---	6
7	---	---	08	0 B	6.32	3.66	1.11	0.330	0.038	0.018	---	---	7
8	---	---	08	0 B	5.78	3.81	1.07	0.268	0.032	0.018	---	---	8
9	---	---	08	0 B	5.41	4.01	1.02	0.243	0.028	0.017	---	---	9
10	---	---	08	0 B	4.88	3.82	0.837	0.210	0.026	0.018	---	---	10
11	---	---	08	0 B	4.58	3.68	0.802	0.188	0.022	0.021	---	---	11
12	---	---	08	0.0018	4.30	3.16	0.778	0.161	0.021	0.021	---	---	12
13	---	---	08	0.0038	3.95	2.98	0.848	0.131	0.020	0.022	---	---	13
14	---	---	08	0.0078	3.52	2.73	0.847	0.110	0.020	0.028	---	---	14
15	---	---	08	0.0108	3.28	2.62A	0.473	0.088	0.020	0.030	---	---	15
16	---	---	08	0.0088	3.01A	2.36A	0.423	0.088	0.020	0.028	---	---	16
17	---	---	08	0.0068	2.74A	2.23A	0.388	0.084	0.023	0.027	---	---	17
18	---	---	08	0.0628	2.52A	2.18A	0.333	0.068	0.024	0.028	---	---	18
19	---	---	08	0.1068	2.41A	2.18A	0.348	0.063	0.024	0.034	---	---	19
20	---	---	08	0.1648	2.76A	2.24A	0.348	0.048	0.028	0.043	---	---	20
21	---	---	08	0.2108	3.88	2.87A	0.341	0.088	0.023	0.048	---	---	21
22	---	---	08	0.2708	4.98	3.14A	0.420	0.071	0.021	0.044	---	---	22
23	---	---	08	0.3388	5.09	2.83A	0.481	0.071	0.023	0.046	---	---	23
24	---	---	08	0.4108	4.78	2.48A	0.512A	0.127	0.028	0.047	---	---	24
25	---	---	08	0.5108	5.06	2.18A	0.435A	0.204	0.024	0.053	---	---	25
26	---	---	08	0.5768	5.48	1.84A	0.378	0.172	0.023	0.054	---	---	26
27	---	---	08	0.7708	5.43	1.73A	0.318	0.144	0.022	0.0588	---	---	27
28	---	08	08	0.8188	4.93	1.80	0.268	0.124	0.021	0.0588	---	---	28
29	---		08	1.23 B	4.31	1.58	0.218	0.104	0.020	0.0538	---	---	29
30	---		08	1.83 B	3.77	1.48	0.308	0.087	0.018	0.0518	---	---	30
31	---		08		3.41		0.378	0.074		0.0538		---	31
TOTAL	---	---	0	7.403	131.17	83.03	30.743	5.482	0.803	1.002	---	---	TOTAL
MEAN	---	---	0	0.247	4.23	2.77	0.888	0.177	0.028	0.032	---	---	MEAN
MAX	---	---	0	1.83	6.32	4.01	1.41	0.458	0.088	0.058	---	---	MAX
MIN	---	---	0	0	2.28	1.48	0.278	0.048	0.018	0.018	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.02
MAXIMUM DAILY, 6.32 ON MAY 7
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
6.67 AT 00:00 MST ON MAY 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 24 18 N
LONG 117 17 00 W
DRAINAGE AREA, 292 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 780
FEB	---	AUG	474
MAR	0	SEP	74.8
APR	840	OCT	88.8
MAY	11 300	NOV	---
JUN	7 170	DEC	---

TOTAL DISCHARGE, 21 500 dam³

MACKAY CREEK AT WALSH - STATION NO. 05AH002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0B	0 B	0.1388	0	0.072	0	0	0	0	0	---	1
2	---	0B	0 B	0.0728	0	0.158	0	0	0	0	0	---	2
3	---	0B	0 B	0.0618	0	0.137	0	0	0	0	0	---	3
4	---	0B	0 B	0.038	0	0.070	0	0	0	0	0	---	4
5	---	0B	0 B	0.018	0	0.087	0	0	0	0	0	---	5
6	---	0B	0 B	0.004	0	0.030	0	0	0	0	0	---	6
7	---	0B	0 B	0	0	0.018	0	0	0	0	0	---	7
8	---	0B	0 B	0	0	0.008	0	0	0	0	0A	---	8
9	---	0B	0 B	0	0	0	0	0	0	0	---	---	9
10	---	0B	0.1848	0	0	0	0	0	0	0	---	---	10
11	---	0B	0.5818	0	0	0	0	0	0	0	---	---	11
12	---	0B	0.3448	0	0	0	0	0	0	0	---	---	12
13	---	0B	0.0808	0	0	0.143	0	0	0	0	---	---	13
14	---	0B	0.0508	0	0	0.092	0	0	0	0	---	---	14
15	---	0B	0.0288	0	0	0.116	0	0	0	0	---	---	15
16	---	0B	0.0108	0	0	0.058	0	0	0	0	---	---	16
17	---	0B	0.0048	0	0	0.032	0	0	0	0	---	---	17
18	---	0B	0.0018	0.012	0	0.017	0	0	0	0	---	---	18
19	---	0B	0 B	0.022	0	0.008	0	0	0	0	---	---	19
20	---	0B	0 B	0.030	0	0.001	0	0	0	0	---	---	20
21	---	0B	0 B	0.018	0	0	0	0	0	0	---	---	21
22	---	0B	0 B	0.041	0	0	0	0	0	0	---	---	22
23	---	0B	0 B	0.073	0	0	0	0	0	0	---	---	23
24	---	0B	0 B	0.018	0	0	0	0	0	0	---	---	24
25	---	0B	0 B	0.034	0	0	0	0	0	0	---	---	25
26	---	0B	0 B	0.058	0	0	0	0	0	0	---	---	26
27	---	0B	0 B	0.038	0	0	0	0	0	0	---	---	27
28	---	0B	0.0018	0.033	0	0	0	0	0	0	---	---	28
29	---		0.0308	0.014	0	0	0	0	0	0	---	---	29
30	---		0.1718	0.004	0		0	0	0	0		---	30
31	0B		0.1438		0		0	0		0		---	31
TOTAL	---	0	1.488	0.575	0	1.002	0	0	0	0	---	---	TOTAL
MEAN	---	0	0.048	0.023	0	0.033	0	0	0	0	---	---	MEAN
MAX	---	0	0.581	0.138	0	0.158	0	0	0	0	---	---	MAX
MIN	---	0	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.012
MAXIMUM DAILY, 0.5818 ON MAR 11
MINIMUM DAILY, 0B ON FEB 1
MAXIMUM INSTANTANEOUS,
1.170 AT 12:30 MST ON MAR 11

SUMMARY FOR THE MONTHS FEB TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 59 30 N
LONG 110 02 40 W
DRAINAGE AREA, 435 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	0	AUG	0
MAR	128	SEP	0
APR	86.3	OCT	0
MAY	0	NOV	---
JUN	86.6	DEC	---

TOTAL DISCHARGE, 274 dam³

MACKAY CREEK NEAR GRABURN GAP - STATION NO. 05AH042

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0B	0 B	0.1358	0.030	0.108	0.001	0	0	0	0.078	---	1
2	---	0B	0 B	0.0858	0.038	0.087	0	0	0	0	0.080	---	2
3	---	0B	0 B	0.0838	0.083	0.040	0	0	0	0	0.079	---	3
4	---	0B	0 B	0.0728	0.083	0.038	0	0	0	0	0.080	---	4
5	---	0B	0 B	0.0838	0.078	0.014	0	0	0	0	0.088	---	5
6	---	0B	0 B	0.0858	0.048	0.007	0	0	0	0	0.037	---	6
7	---	0B	0 B	0.0738	0.030	0.004	0	0	0	0	0.038	---	7
8	---	0B	0.0048	0.0628	0.028	0.003	0	0	0	0	0.018A	---	8
9	---	0B	0.0188	0.0368	0.018	0.002	0	0	0	0	---	---	9
10	---	0B	0.0608	0.0318	0.012	0.004	0	0	0	0	---	---	10
11	---	0B	0.0508	0.048	0.014	0.338	0	0	0	0	---	---	11
12	---	0B	0.0348	0.077	0.008	0.213	0	0	0	0	---	---	12
13	---	0B	0.0748	0.098	0.011	0.088	0	0	0	0	---	---	13
14	---	0B	0.0588	0.113	0.018	0.038	0	0	0	0	---	---	14
15	---	0B	0.0588	0.218	0.018	0.023	0	0	0	0	---	---	15
16	---	0B	0.0488	0.181	0.011	0.018	0	0	0	0	---	---	16
17	---	0B	0.0388	0.083	0.008	0.014	0	0	0	0	---	---	17
18	---	0B	0.0148	0.083	0.004	0.008	0	0	0	0	---	---	18
19	---	0B	0.0078	0.118	0.008	0.002	0	0	0	0	---	---	19
20	---	0B	0.0048	0.187	0.028	0.001	0	0	0	0	---	---	20
21	---	0B	0.0038	0.188	0.034	0.001	0	0	0	0	---	---	21
22	---	0B	0.0038	0.188	0.018	0	0	0	0	0	---	---	22
23	---	0B	0.0028	0.113	0.011	0	0	0	0	0	---	---	23
24	---	0B	0.0068	0.088	0.020	0	0	0	0	0	---	---	24
25	---	0B	0.0308	0.081	0.083	0.018	0	0	0	0	---	---	25
26	---	0B	0.0708	0.084	0.102	0.051	0	0	0	0	---	---	26
27	---	0B	0.2008	0.067	0.080	0.018	0	0	0	0	---	---	27
28	---	0B	0.3818	0.048	0.088	0.008	0	0	0	0.010	---	---	28
29	---		0.3488	0.040	0.188	0.002	0	0	0	0.083	---	---	29
30	---		0.2508	0.038	0.318	0.002	0	0	0	0.082	---	---	30
31	---		0.1808		0.384		0	0		0.081		---	31
TOTAL	---	0	1.884	2.835	1.748	0.978	0.001	0	0	0.359	---	---	TOTAL
MEAN	---	0	0.084	0.088	0.058	0.033	0	0	0	0.008	---	---	MEAN
MAX	---	0	0.381	0.315	0.384	0.238	0.001	0	0	0.083	---	---	MAX
MIN	---	0	0	0.031	0.004	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.028
MAXIMUM DAILY, 0.384 ON MAY 31
MINIMUM DAILY, 0B ON FEB 1
MAXIMUM INSTANTANEOUS,
0.804 AT 00:40 MST ON MAY 31

SUMMARY FOR THE MONTHS FEB TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 44 38 N
LONG 110 02 33 W
DRAINAGE AREA, 75.1 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.09
FEB	0	AUG	0
MAR	171	SEP	0
APR	338	OCT	33.1
MAY	181	NOV	---
JUN	84.6	DEC	---

TOTAL DISCHARGE, 857 dam³

MACKAY RIVER ABOVE DUNKIRK RIVER - STATION NO. 07DB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0228	0.0328	8.41	12.4	31.3	14.1	4.85	8.42	---	---	1
2	---	---	0.0248	0.0338	8.71	12.8	24.8	14.1	4.74	8.52	---	---	2
3	---	---	0.0238	0.0348	9.03	12.9	26.0	15.4	4.62	10.2	---	---	3
4	---	---	0.0208	0.0348	8.38	12.8	31.9	15.9	4.34	10.1	---	---	4
5	---	---	0.0208	0.0358	8.84	12.9	34.3	15.9	4.20	9.88	---	---	5
6	---	---	0.0208	0.0378	10.7	17.1	34.9	16.5	4.00	9.42	---	---	6
7	---	---	0.0218	0.0408	12.0	21.1	34.3	15.7	3.88	8.85	---	---	7
8	---	---	0.0218	0.0428	12.9	24.1	32.0	14.9	3.82	8.48	---	---	8
9	---	---	0.0188	0.0448	13.2	24.4	31.3	14.0	3.73	8.15	---	---	9
10	---	---	0.0178	0.0508	13.3	23.6	29.0	12.9	3.60	7.83	---	---	10
11	---	---	0.0188	0.0628	13.1	21.8	26.5	11.7	3.48	7.70	---	---	11
12	---	---	0.0188	0.0868	12.8	20.2	24.3	10.8	3.37	7.41	---	---	12
13	---	---	0.0188	0.1328	12.4	18.4	22.0	9.32	3.26	7.13	---	---	13
14	---	---	0.0148	0.2018	12.0	16.5	19.9	8.18	3.33	6.87	---	---	14
15	---	---	0.0148	0.8318	11.6	14.6	17.8	7.27	3.48	6.73	---	---	15
16	---	---	0.0138	0.8898	10.8	13.1	15.7	6.80	3.48	6.88	---	---	16
17	---	---	0.0138	1.32 B	10.1	14.3	13.8	8.15	3.84	6.41	---	---	17
18	---	---	0.0148	0.8838	9.47	18.8	11.9	8.83	3.89	6.37	---	---	18
19	---	---	0.0148	0.7578	8.84	17.8	10.3	5.84	3.72	6.38	---	---	19
20	---	---	0.0158	1.07 B	10.2	20.8	9.15	5.40	3.78	6.32	---	---	20
21	---	---	0.0178	2.06 B	12.1	24.8	10.3	5.80	3.88	6.18	---	---	21
22	---	---	0.0198	3.14 B	13.1	27.6	11.1	5.78	3.90	6.03	---	---	22
23	---	---	0.0188	4.24 B	13.7	28.7	11.1	5.85	3.88	5.90	---	---	23
24	---	---	0.0218	5.83 B	13.9	28.8	11.1	6.04	3.88	5.77	---	---	24
25	---	---	0.0218	6.78 B	13.8	28.5	14.8	6.09	3.98	5.68	---	---	25
26	---	---	0.0228	7.47 B	13.3	27.8	18.8	5.88	3.92	5.58	---	---	26
27	---	---	0.0218	6.87 B	13.2	28.6	16.7	5.77	3.70	5.42A	---	---	27
28	---	---	0.0248	8.37 B	12.8	26.3	16.5	5.88	3.84	5.30E	---	---	28
29	---		0.0238	7.00 B	12.5	23.8	15.7	5.35	3.85	5.20E	---	---	29
30	---		0.0278	7.78 B	12.2	22.3	14.8	5.14	8.22	5.00E	---	---	30
31	---		0.0288		11.8		14.2	5.00		4.80E		---	31
TOTAL	---	---	0.883	63.154	360.88	612.3	625.85	288.81	117.38	219.75	---	---	TOTAL
MEAN	---	---	0.019	2.11	11.8	20.4	20.2	9.32	3.91	7.09	---	---	MEAN
MAX	---	---	0.028	7.78	13.9	28.8	34.9	15.9	8.22	10.2	---	---	MAX
MIN	---	---	0.013	0.032	8.41	12.4	9.15	5.00	3.28	4.80	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 9.34
MAXIMUM DAILY, 34.9 ON JUL 6
MINIMUM DAILY, 0.0138 ON MAR 16
MAXIMUM INSTANTANEOUS,
35.0 AT 16:30 MST ON JUL 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 46 35 N
LONG 112 36 50 W
DRAINAGE AREA, 1 010 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	54 100
FEB	---	AUG	25 000
MAR	81.2	SEP	10 100
APR	6 480	OCT	19 000
MAY	31 200	NOV	---
JUN	52 900	DEC	---

TOTAL DISCHARGE, 198 000 dam³

MACKAY RIVER NEAR FORT MACKAY - STATION NO. 07DB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.6848	1.388	74.4	83.6	84.1E	50.3	13.5	24.8	---	---	1
2	---	---	0.6708	1.338	74.7	86.7	101 E	47.8	12.8	31.9	---	---	2
3	---	---	0.6808	1.148	73.2	86.8	128 E	50.0	12.8	26.0	---	---	3
4	---	---	0.6508	1.018	73.2	87.2	148 E	55.2	12.1	28.8	---	---	4
5	---	---	0.6358	1.188	71.0	84.3	155 E	58.2	11.6	26.7	---	---	5
6	---	---	0.6308	1.488	68.2	78.7	152 E	58.8	11.1	24.2	---	---	6
7	---	0.1878	0.6258	1.678	70.7	102 E	148 E	53.5	10.7	22.3	---	---	7
8	---	---	0.6308	1.628	73.1	106 E	141 E	48.8	10.4	20.6	---	---	8
9	---	---	0.6408	1.628	74.3	105 E	132	46.8E	10.2	20.4	---	---	9
10	---	---	0.6808	1.718	76.8	98.8E	124	43.4E	9.77	20.3	---	---	10
11	---	---	0.6808	1.808	73.4	93.8E	118	38.8E	9.48	27.8	---	---	11
12	---	---	0.7008	1.818	71.3	84.7E	104	34.8E	8.98	28.7	---	---	12
13	---	---	0.7308	1.818	68.7	77.0E	84.8	30.7E	8.84	25.6	---	---	13
14	---	---	0.7458	1.308	66.6	88.1E	86.8	27.0E	8.62	24.8	---	---	14
15	---	---	0.7608	1.078	63.4	82.3E	77.0	23.8E	8.44	23.9	---	---	15
16	---	---	0.7408	1.288	61.1	86.2E	69.7	20.6E	8.88	23.3	---	---	16
17	---	---	0.7308	1.528	58.6	86.0E	63.2	18.2E	9.15	22.7	---	---	17
18	---	---	0.7008	1.488	58.6	77.8E	58.3	17.7E	9.84	23.3	---	---	18
19	---	---	0.6708	1.388	54.7	84.6E	47.4	16.8E	8.77	22.0	---	---	19
20	---	---	0.6508	1.618	55.6	84.1E	38.3	15.8E	8.88	21.7	---	---	20
21	---	---	0.6408	4.188	80.7	118 E	36.6	15.8E	10.3	21.8	---	---	21
22	---	---	0.6708	5.308	92.1	132 E	35.1	15.8E	10.3	21.4	---	---	22
23	---	---	0.7608	7.018	92.6	130 E	34.6	16.2E	10.6	20.8	---	---	23
24	---	---	0.8408	13.1 B	88.4	122 E	36.0	16.0E	11.1	20.5	---	---	24
25	---	---	0.8728	26.0 B	84.1	116 E	87.7	16.0E	10.8	20.1	---	---	25
26	---	---	0.9818	42.0 B	78.7	108 E	78.7	16.1E	10.8	19.7	---	---	26
27	---	---	0.9378	46.0 B	75.8	103 E	70.2	16.1	10.7	19.4A	---	---	27
28	---	---	0.9508	53.0 B	72.9	98.0E	66.6	16.8	10.3	19.2E	---	---	28
29	---		1.03 B	59.4 B	70.2	93.8E	61.8	15.8	10.2	19.0E	---	---	29
30	---		1.11 B	70.0	68.3	87.8E	58.3	15.1	12.8	18.8E	---	---	30
31	---		1.28 B		65.2		54.1	14.3		18.6E		---	31
TOTAL	---	---	23.619	354.07	2 238.8	2 680.8	2 889.1	928.7	314.38	778.1	---	---	TOTAL
MEAN	---	---	0.762	11.8	72.2	89.4	85.8	30.0	10.5	25.1	---	---	MEAN
MAX	---	---	1.28	70.0	92.6	132	155	58.2	13.5	32.8	---	---	MAX
MIN	---	---	0.625	1.01	54.7	65.2	34.6	14.2	8.44	18.8	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 40.7
MAXIMUM DAILY, 155E ON JUL 5
MINIMUM DAILY, 0.625B ON MAR 7
MAXIMUM INSTANTANEOUS,
167 AT 10:33 MST ON JUL 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 12 35 N
LONG 111 41 35 W
DRAINAGE AREA, 6 570 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	230 000
FEB	---	AUG	80 300
MAR	2 040	SEP	27 200
APR	30 800	OCT	67 200
MAY	183 000	NOV	---
JUN	232 000	DEC	---

TOTAL DISCHARGE, 852 000 dam³

MACRATH IRRIGATION DISTRICT CANAL NEAR SPRING COULEE - STATION NO. 05AE031

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	0	0.380	0.881	1.28	0.374	0.135	0A	---	1
2	---	---	---	0	0	0.378	0.807	1.28	0.318	0.188	---	---	2
3	---	---	---	0	0	0.374	1.08	1.28	0.282	0.208	---	---	3
4	---	---	---	0	0	0.388	1.32	1.18	0.288	0.204	---	---	4
5	---	---	---	0	0	0.480	1.88	0.873	0.213	0.207	---	---	5
6	---	---	---	0	0	0.478	2.33	0.884	0.182	0.208	---	---	6
7	---	---	---	0	0	0.843	2.81	1.02	0.138	0.208	---	---	7
8	---	---	---	0	0	0.883	2.75	1.18	0.092	0.208	---	---	8
9	---	---	---	0	0	0.838	2.88	1.18	0	0.430	---	---	9
10	---	---	---	0	0	0.720	2.88	1.14	0	0.883	---	---	10
11	---	---	---	0	0	0.307	2.82	1.18	0	0.802	---	---	11
12	---	---	---	0	0.308	0	2.88	1.14	0	0.848	---	---	12
13	---	---	---	0	0.888	0	2.38	0.880	0	0.380	---	---	13
14	---	---	---	0	0.834	0	2.03	0.874	0	0	---	---	14
15	---	---	---	0	0.888	0	1.81	0.711	0	0	---	---	15
16	---	---	---	0	0.748	0	1.87	0.878	0	0	---	---	16
17	---	---	---	0	0.783	0	1.82	0.888	0	0	---	---	17
18	---	---	---	0	0.748	0	2.11	0.858	0	0	---	---	18
19	---	---	---	0	0.718	0.188	2.27	0.888	0	0	---	---	19
20	---	---	---	0	0.728	0.237	2.11	0.881	0	0	---	---	20
21	---	---	---	0	0.838	0.277	1.87	0.827	0	0	---	---	21
22	---	---	---	0	1.18	0.847	1.71	0.818	0	0	---	---	22
23	---	---	---	0	1.28	0.882	1.81	0.807	0	0	---	---	23
24	---	---	---	0	1.08	0.888	1.88	0.878	0	0	---	---	24
25	---	---	---	0	0.978	0.821	1.42	0.881	0	0	---	---	25
26	---	---	---	0	0.821	0.471	1.28	0.478	0	0	---	---	26
27	---	---	---	0	0.825	0.424	1.33	0.424	0	0	---	---	27
28	---	---	---	0	0.823	0.438	1.38	0.384	0.087	0	---	---	28
29	---		---	0	0.312	0.478	1.38	0.387	0.217	0	---	---	29
30	---		---	0	0.228	0.811	1.38	0.380	0.188	0		---	30
31	---		0A		0.282		1.32	0.387		0		---	31
TOTAL	---	---	---	0	14.341	11.188	57.888	28.010	2.388	4.388	---	---	TOTAL
MEAN	---	---	---	0	0.483	0.372	1.87	0.807	0.078	0.138	---	---	MEAN
MAX	---	---	---	0	1.28	0.838	2.88	1.28	0.374	0.848	---	---	MAX
MIN	---	---	---	0	0	0	0.881	0.387	0	0	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.838
MAXIMUM DAILY, 2.88 ON JUL 8
MINIMUM DAILY, 0 ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 20 55 N
LONG 113 03 15 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5 010
FEB	---	AUG	2 180
MAR	---	SEP	204
APR	0	OCT	370
MAY	1 240	NOV	---
JUN	885	DEC	---

TOTAL DISCHARGE, 9 880 dam³

MALIGNE RIVER NEAR JASPER - STATION NO. 07AA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.88E	3.67	3.20	3.18	5.83	17.1	41.8	40.3	41.8	17.8	8.88	8.80	1
2	3.82E	3.67	3.13	3.12	5.01	18.8	41.3	41.8	41.2	17.2	8.77	8.11	2
3	3.80E	3.60	3.13	3.10	4.84	21.8	41.1	47.3	40.9	16.8	8.88	8.03	3
4	3.87E	3.48	3.18	3.08	4.78	24.3	40.8	48.8	40.7	16.4	8.81	8.00	4
5	3.85E	3.48	3.28	3.10	8.81	28.8	40.7	44.8	40.8	16.8	8.47	8.83	5
6	3.83E	3.50	3.33	3.08	7.12	32.3	40.8	43.8	41.0	15.8	8.38	8.87	6
7	3.81E	3.58	3.34	3.11	8.81	34.8	40.4	42.8	41.1	15.0	8.11	4.78	7
8	3.78E	3.61	3.34	3.18	11.3	35.8	42.3	42.0	41.3	14.8	7.88	8.77	8
9	3.78A	3.67	3.33	3.12	13.1	37.8	43.1	41.7	41.0	14.1	7.88	8.44	9
10	3.73	3.70	3.33	3.23	14.8	38.4	43.8	41.8	40.8	14.2	8.88	8.88	10
11	3.74	3.88	3.34	3.30	14.8	40.3	43.8	41.4	40.8	14.8	8.78	4.88	11
12	3.78	3.88	3.38	3.33	14.8	40.7	43.4	41.1	40.3	14.4	7.88	8.17	12
13	3.87	3.88	3.33	3.30	13.3	41.7	42.8	41.1	39.8	14.2	8.37	8.28	13
14	3.88	3.88	3.33	3.40	12.8	42.8	42.7	40.8	38.3	13.7	7.80	8.28	14
15	3.88	3.88	3.32	3.74	13.8	42.8	42.8	41.8	38.2	13.3	8.87	8.17	15
16	3.80	3.88	3.18	3.88	13.8	41.8	43.1	48.8	38.1	12.8	7.88	4.78	16
17	3.80	3.83	3.12	3.80	14.2	41.4	41.7	82.1	33.8	12.1	7.71	4.82	17
18	3.80	3.84	3.23	3.80	14.8	41.2	41.8	48.3	30.8	12.3	7.48	8.88	18
19	3.81	3.82	3.28	3.77	14.8	41.3	41.2	47.4	27.8	12.8	7.28	4.81	19
20	3.81	3.82	3.28	3.80	14.2	40.8	41.4	46.0	28.3	12.2	8.32	4.37	20
21	3.81	3.80	3.28	3.14	13.8	40.2	41.4	48.3	23.8	11.8	8.31	4.28	21
22	3.86	3.48	3.24	3.14	13.8	40.8	41.0	44.8	22.8	11.8	8.88	4.08	22
23	3.87	3.48	3.22	3.88	13.3	41.3	40.8	44.8	22.8	11.8	8.88	4.88	23
24	3.48	3.48	3.20	3.82	12.8	41.8	40.7	44.1	21.4	11.2	7.24	4.77	24
25	3.88	3.48	3.18	3.84	12.8	41.8	40.2	43.8	21.8	11.2	8.78	4.73	25
26	3.78	3.43	3.20	3.11	12.8	41.8	40.2	43.8	20.4	10.8	8.87	4.88	26
27	3.84	3.40	3.18	3.30	12.3	42.3	40.2	42.7	18.8	10.4	8.32	4.41	27
28	3.83	3.38	3.20	3.83	11.8	41.8	40.2	42.2	18.2	9.71	8.41	4.31	28
29	3.88		3.17	4.28	12.8	41.4	40.2	42.2	18.8	9.33	8.88	4.24	29
30	3.88		3.11	4.84	12.4	41.4	40.2	42.2	18.2	8.38	8.88	4.18	30
31	3.84		3.21		13.8		40.3	41.7		8.01		4.08	31
TOTAL	87.34	71.84	88.48	81.38	380.78	1 118.8	1 282.8	1 387.3	888.8	408.48	224.13	183.80	TOTAL
MEAN	3.82	3.88	3.24	3.71	11.8	37.3	41.4	43.8	32.3	13.1	7.47	4.88	MEAN
MAX	3.88	3.70	3.38	4.84	14.8	42.8	43.8	82.1	41.8	17.8	8.88	8.11	MAX
MIN	3.48	3.38	3.11	3.88	4.78	17.1	40.2	40.3	18.2	8.01	8.88	4.84	MIN

SUMMARY FOR THE YEAR 1989

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.8
MAXIMUM DAILY, 82.1 ON AUG 17
MINIMUM DAILY, 3.88 ON APR 4
MAXIMUM INSTANTANEOUS,
88.8 AT 20:32 MST ON AUG 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 88 81 N
LONG 118 01 34 W
DRAINAGE AREA, 806 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	7 850	JUL	111 000
FEB	6 180	AUG	117 000
MAR	8 000	SEP	83 700
APR	7 030	OCT	38 000
MAY	31 200	NOV	19 400
JUN	88 700	DEC	13 300

TOTAL DISCHARGE, 834 000 dam³

MAMAWI LAKE CHANNEL AT OLD DOG CAMP - STATION NO. 07KF003

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	208.436	208.142	208.103	207.155	208.735	209.358	209.404	209.473	209.545	209.387	---	208.848E	1
2	208.401	208.135	208.108	207.187	208.627	209.331	209.406	209.514	209.531	209.318	---	208.848E	2
3	208.385	208.134	208.101	207.284	208.978	209.327	209.421	209.585	209.509	209.380	---	208.850E	3
4	208.340	208.127	208.081	207.432	208.113	209.324	209.416	209.542	209.528	209.288	---	208.851E	4
5	208.297A	208.126	208.033	207.539	209.220	209.326	209.377	209.492	209.536	209.374	---	208.852	5
6	208.282	208.132	207.998	207.609	209.264	209.388	209.387	209.481	209.525	209.348	---	208.859	6
7	208.286	208.184	207.884	207.832	208.913	209.327	209.416	209.471	209.506	209.387	---	208.848	7
8	208.248	208.188	207.826	207.848	208.878	209.352	209.436	209.477	209.542	209.364	---	208.843	8
9	208.228	208.180	207.728	207.885	208.774	209.432	209.474	209.489	209.534	209.378	---	208.818	9
10	208.208	208.186	207.681	207.892	208.524	209.417	209.488	209.489	209.474	209.317	---	208.899	10
11	208.183	208.141	207.682	207.730	208.308	209.404	209.477	209.519	209.385	209.380	---	208.926	11
12	208.222	208.132	207.686	207.782	208.106	209.382	209.472	209.566	209.426	209.431	---	208.912	12
13	208.218	208.106	207.692	207.788	208.022	209.389	209.467	209.578	209.438	209.410	---	208.911	13
14	208.238	208.109	207.731	207.763	208.007	209.341	209.474	209.548	209.441	209.405	---	208.921	14
15	208.301	208.138	207.787	207.736	208.052	209.331	209.480	209.530	209.446	209.404	---	208.918	15
16	208.302	208.167	207.780	207.673	208.085	209.350	209.467	209.580	209.442	209.388	---	208.924	16
17	208.313	208.182	207.784	207.627	208.088	209.404	209.508	209.586	209.477	209.370	---	208.918	17
18	208.288	208.197	207.811	207.583	208.080	209.385	209.488	209.522	209.458	209.182	---	208.920	18
19	208.283	208.223	207.784	207.584	208.120	209.376	209.478	209.483	209.428	209.112	---	208.923	19
20	208.267	208.242	207.784	207.588	208.208	209.380	209.524	209.522	209.385	209.158	208.868A	208.918	20
21	208.223	208.235	207.688	207.685	208.187	209.388	209.525	209.583	209.406	209.148	---	208.918	21
22	208.208	208.240	207.807	207.783	208.107	209.388	209.486	209.558	209.381	209.182	208.865A	208.913	22
23	208.212	208.228	207.810	207.867	208.108	209.380	209.486	209.582	209.331	---	---	208.912	23
24	208.234	208.208	207.682	207.812	208.120	209.486	209.530	209.516	209.336	---	---	208.880	24
25	208.224	208.187	207.638	207.828	208.127	209.408	209.536	209.532	209.387	---	---	208.817	25
26	208.217	208.180	207.641	207.834	208.158	209.428	209.508	209.545	209.374	---	---	208.785	26
27	208.188	208.108	207.618	207.888	208.185	209.424	209.482	209.587	209.333	---	---	208.772	27
28	208.186	208.098	207.613	208.088	208.240	209.386	209.473	209.558	209.346	---	---	208.769	28
29	208.178		207.584	208.298	208.298	209.373	209.486	209.540	209.386	---	---	208.748	29
30	208.152		207.263	208.634	208.306	209.388	209.483	209.548	208.440	---	---	208.718	30
31	208.142		207.181		208.348		209.472	208.543		---		208.736	31
MEAN	208.251	208.183	207.700	207.724	208.185	209.376	209.466	209.531	209.441	---	---	208.868	MEAN
MAX	208.436	208.242	208.108	208.634	208.878	209.486	209.536	209.597	209.548	---	---	208.888	MAX
MIN	208.142	208.098	207.181	207.155	208.735	209.324	209.377	209.481	209.321	---	---	208.718	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 209.878 ON MAY 8
MINIMUM DAILY, 207.155 ON APR 1
MAXIMUM INSTANTANEOUS,
209.970 AT 16:00 MST ON MAY 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 36 00 N
LONG 111 20 00 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

A - MANUAL GAUGE
E - ESTIMATED

REGULATED SINCE 1967

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

MANATOKAN CREEK NEAR IRON RIVER - STATION NO. 05AC008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0	0	0	0	0	0	0	---	1
2	---	---	0B	0 B	0	0	0	0	0	0	0	---	2
3	---	---	0B	0 B	0	0	0	0	0	0	---	---	3
4	---	---	0B	0 B	0	0	0	0	0	0	---	---	4
5	---	---	0B	0 B	0	0	0	0	0	0	---	---	5
6	---	---	0B	0 B	0	0	0	0	0	0	---	---	6
7	---	---	0B	0 B	0	0	0	0	0	0	---	---	7
8	---	---	0B	0.0025	0	0	0	0	0	0	---	---	8
9	---	---	0B	0.0088	0	0	0	0	0	0	---	---	9
10	---	---	0B	0.001	0	0	0	0	0	0	---	---	10
11	---	---	0B	0.001	0	0	0	0	0	0	---	---	11
12	---	---	0B	0.001	0	0	0	0	0	0	---	---	12
13	---	---	0B	0.001	0	0	0	0	0	0	---	---	13
14	---	---	0B	0.001	0	0	0	0	0	0	---	---	14
15	---	---	0B	0.001	0	0	0	0	0	0	---	---	15
16	---	---	0B	0.001	0	0	0	0	0	0	---	---	16
17	---	---	0B	0	0	0	0	0	0	0	---	---	17
18	---	---	0B	0	0	0	0	0	0	0	---	---	18
19	---	---	0B	0	0	0	0	0	0	0	---	---	19
20	---	---	0B	0	0	0	0	0	0	0	---	---	20
21	---	---	0B	0	0	0	0	0	0	0	---	---	21
22	---	---	0B	0	0	0	0	0	0	0	---	---	22
23	---	---	0B	0	0	0	0	0	0	0	---	---	23
24	---	---	0B	0	0	0	0	0	0	0	---	---	24
25	---	---	0B	0	0	0	0	0	0	0	---	---	25
26	---	---	0B	0	0	0	0	0	0	0	---	---	26
27	---	---	0B	0	0	0	0	0	0	0	---	---	27
28	---	---	0B	0	0	0	0	0	0	0	---	---	28
29	---		0B	0	0	0	0	0	0	0	---	---	29
30	---		0B	0	0	0	0	0	0	0	---	---	30
31	---		0B		0		0	0		0		---	31
TOTAL	---	---	0	0.014	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.009	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.0088 ON APR 9
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.013 AT 23:05 MST ON APR 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 28 59 N
LONG 110 58 13 W
DRAINAGE AREA, 469 km²

B - ICE CONDITIONS

REGULATED SINCE 1983

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	1.21	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1.21 dam³

MANYBERRIES CREEK AT BRODIN'S FARM - STATION NO. 08AP010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0B	0 B	0.281	0.002	0.215	0.033	0.040	0.023	0	0	---	1
2	---	0B	0 B	0.180	0	0.113	0.003	0.037	0.007	0	0	---	2
3	---	0B	0 B	0.113	0	0.061	0.003	0.018	0	0	0	---	3
4	---	0B	0 B	0.072	0	0.018	0	0.002	0	0	0	---	4
5	---	0B	0 B	0.048	0	0.014	0	0	0	0	0	---	5
6	---	0B	0 B	0.042	0	0.010	0	0	0	0	0	---	6
7	---	0B	0.0018	0.081	0	0.008	0	0	0	0	0A	---	7
8	---	0B	0.0048	0.045	0	0.002	0	0	0	0	---	---	8
9	---	0B	0.0018	0.010	0	0	0	0	0.005	0	---	---	9
10	---	0B	0.0018	0	0	0	0	0	0.005	0	---	---	10
11	---	0B	0.9508	0	0	0.134	0	0	0	0	---	---	11
12	---	0B	0.4678	0	0	0.308	0	0	0	0	---	---	12
13	---	0B	0.3188	0.003	0	0.048	0	0	0	0	---	---	13
14	---	0B	0.1398	0.003	0	0.003	0	0	0	0	---	---	14
15	---	0B	0.1018	0.018	0	0	0	0	0	0	---	---	15
16	---	0B	0.0608	0.014	0	0	0	0	0	0	---	---	16
17	---	0B	0.0228	0.007	0	0	0	0	0	0	---	---	17
18	---	0B	0.0088	0.038	0	0	0.281	0	0	0	---	---	18
19	---	0B	0.0088	0.083	0	0	0.037	0	0	0	---	---	19
20	---	0B	0.0088	0.027	0	0	0.081	0	0	0	---	---	20
21	---	0B	0.0028	0.008	0	0	0.058	0	0.027	0	---	---	21
22	---	0B	0.0018	0.002	0	0	0.017	0	0.041	0	---	---	22
23	---	0B	0.0018	0.074	0	0	0	0	0.028	0	---	---	23
24	---	0B	0.0038	0.123	0	0	0	0	0.023	0	---	---	24
25	---	0B	0.1038	0.088	0	0	0.128	0	0.018	0	---	---	25
26	---	0B	1.80	0.057	0	0.585	0.718	0.084	0.011	0	---	---	26
27	---	0B	1.56	0.047	0	0.117	0.163	0	0	0	---	---	27
28	---	0B	2.46	0.027	0	0.018	0.388	0.034	0	0	---	---	28
29	---		1.88	0.020	0.057	0.042	0.242	0.026	0	0	---	---	29
30	---		0.842	0.010	0.444	0.154	0.093	0.012	0	0	---	---	30
31	---		0.424		0.188		0.048	0.033		0		---	31
TOTAL	---	0	10.833	1.487	1.818	1.808	2.272	0.343	0.169	0	---	---	TOTAL
MEAN	---	0	0.383	0.048	0.063	0.080	0.073	0.008	0.008	0	---	---	MEAN
MAX	---	0	2.46	0.281	0.057	0.585	0.718	0.084	0.041	0	---	---	MAX
MIN	---	0	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS FEB TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.087
MAXIMUM DAILY, 2.46 ON MAR 28
MINIMUM DAILY, 0B ON FEB 1
MAXIMUM INSTANTANEOUS,
3.81 AT 12:10 MST ON MAR 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 21 30 N
LONG 110 43 30 W
DRAINAGE AREA, 339 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	196
FEB	0	AUG	21.0
MAR	618	SEP	10.3
APR	127	OCT	0
MAY	140	NOV	---
JUN	186	DEC	---

TOTAL DISCHARGE, 1 880 dam³

MARIE LAKE NEAR COLD LAKE - STATION NO. 06AC008

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	573.500E	573.508	573.511	573.577	573.600	573.582	573.524	573.488A	573.408	---	1
2	---	---	573.500A	573.508	573.508	573.578	573.588	573.581	573.521	573.484	573.413A	---	2
3	---	---	573.487	573.508	573.508	573.577	573.592	573.584	573.530	573.482	---	---	3
4	---	---	573.487	573.508	573.507	573.577	573.588	573.581	573.537	573.481	---	---	4
5	---	---	573.496	573.508	573.511	573.577	573.588	573.538	573.534	573.448	---	---	5
6	---	---	573.488	573.505	573.513	573.581	573.588	573.538	573.523	573.443	---	---	6
7	---	---	573.500	573.504	573.514	573.581	573.601	573.538	573.535	573.443	---	---	7
8	---	---	573.501	573.504	573.518	573.584	573.588	573.534	573.514	573.444	---	---	8
9	---	---	573.500	573.508	573.517	573.584	573.604	573.530	573.508	573.440	---	---	9
10	---	---	573.500	573.513	573.520	573.583	573.603	573.527	573.506	573.438	---	---	10
11	---	---	573.501	573.518	573.522	573.588	573.600	573.528	573.512	573.436	---	---	11
12	---	---	573.503	573.518	573.523	573.586	573.605	573.521	573.508	573.435	---	---	12
13	---	---	573.504	573.518	573.524	573.588	573.605	573.521	573.510	573.433	---	---	13
14	---	---	573.503	573.517	573.524	573.582	573.604	573.520	573.508	573.433	---	---	14
15	---	---	573.501	573.517	573.526	573.588	573.602	573.513	573.505	573.431	---	---	15
16	---	---	573.500	573.515	573.528	573.582	573.600	573.508	573.501	573.430	---	---	16
17	---	---	573.500	573.515	573.528	573.586	573.598	573.502	573.494	573.428	---	---	17
18	---	---	573.500	573.516	573.533	573.587	573.586	573.498	573.495	573.427	---	---	18
19	---	---	573.501	573.516	573.551	573.594	573.595	573.511	573.493	573.426	---	---	19
20	---	---	573.501	573.516	573.551	573.579	573.592	573.506	573.488	573.426	---	---	20
21	---	---	573.501	573.520	573.563	573.583	573.582	573.505	573.470	573.425	---	---	21
22	---	---	573.500	573.516	573.567	573.586	573.588	573.528	573.477	573.426	---	---	22
23	---	---	573.501	573.516	573.569	573.587	573.584	573.538	573.476	573.426	---	---	23
24	---	---	573.503	573.516	573.574	573.586	573.578	573.538	573.471	573.425	---	---	24
25	---	---	573.504	573.517	573.570	573.583	573.574	573.540	573.473	573.426	---	---	25
26	---	---	573.503	573.516	573.572	573.585	573.572	573.538	573.471	573.425	---	---	26
27	---	---	573.502	573.516	573.577	573.578	573.584	573.532	573.467	573.421	---	---	27
28	---	---	573.504	573.516	573.573	573.586	573.582	573.538	573.484	573.420	---	---	28
29	---		573.504	573.516	573.573	573.586	573.588	573.530	573.480	573.417	---	---	29
30	---		573.505	573.513	573.574	573.587	573.581	573.524	573.467A	573.426	---	---	30
31	---		573.505		573.578		573.584	573.522		573.416		---	31
MEAN	---	---	573.501	573.513	573.540	573.584	573.590	573.526	573.488	573.433	---	---	MEAN
MAX	---	---	573.505	573.520	573.577	573.593	573.605	573.582	573.537	573.455	---	---	MAX
MIN	---	---	573.487	573.504	573.507	573.577	573.569	573.498	573.467	573.416	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 573.605 ON JUL 13

MAXIMUM INSTANTANEOUS,
573.608 AT 05:55 MST ON JUL 5

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 35 35 N
LONG 110 16 15 W

A - MANUAL GAUGE
E - ESTIMATED

DRAINAGE AREA,
470 km²

MARMOT CREEK MAIN STEM NEAR SEEBE - STATION NO. 05BF018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.218	0.284	0.332	0.108	0.288	0.118	0.070A	---	1
2	---	---	---	---	0.224	0.288	0.302	0.113	0.287	0.111	---	---	2
3	---	---	---	---	0.188	0.333	0.281	0.110	0.280	0.112	---	---	3
4	---	---	---	---	0.173	0.373	0.262	0.102	0.271	0.112	---	---	4
5	---	---	---	---	0.240	0.488	0.247	0.098	0.278	0.108	---	---	5
6	---	---	---	---	0.332	0.581	0.234	0.092	0.280	0.108	---	---	6
7	---	---	---	---	0.384	0.611	0.223	0.094	0.280	0.104	---	---	7
8	---	---	---	---	0.450	0.604	0.218	0.093	0.288	0.098	---	---	8
9	---	---	---	---	0.487	0.528	0.208	0.104	0.308	0.095	---	---	9
10	---	---	---	---	0.488	0.810	0.207	0.105	0.310	0.089	---	---	10
11	---	---	---	---	0.417	0.585	0.198	0.098	0.285	0.084	---	---	11
12	---	---	---	---	0.343	0.545	0.183	0.094	0.278	0.084	---	---	12
13	---	---	---	---	0.295	0.549	0.181	0.094	0.280	0.082	---	---	13
14	---	---	---	---	0.261	0.567	0.178	0.091	0.241	0.088	---	---	14
15	---	---	---	---	0.248	0.571	0.178	0.087	0.228	0.082	---	---	15
16	---	---	---	---	0.238	0.560	0.180	0.138	0.218	0.078	---	---	16
17	---	---	---	---	0.238	0.497	0.171	0.170	0.217	0.078	---	---	17
18	---	---	---	---	0.245	0.439	0.168	0.171	0.208	0.088	---	---	18
19	---	---	---	---	0.227	0.386	0.168	0.189	0.192	0.088	---	---	19
20	---	---	---	---	0.210	0.348	0.162	0.171	0.178	0.091	---	---	20
21	---	---	---	---	0.188	0.313	0.135	0.188	0.188	0.088	---	---	21
22	---	---	---	---	0.183	0.286	0.128	0.181	0.183	0.087	---	---	22
23	---	---	---	---	0.183	0.283	0.131	0.184	0.184	0.086	---	---	23
24	---	---	---	---	0.188	0.276	0.116	0.177	0.168	0.086	---	---	24
25	---	---	---	---	0.180	0.286	0.111	0.189	0.138	0.084	---	---	25
26	---	---	---	---	0.148	0.288	0.107	0.188	0.138	0.081	---	---	26
27	---	---	---	---	0.141	0.334	0.107	0.177	0.130	0.078	---	---	27
28	---	---	---	---	0.132	0.334	0.132	0.220	0.128	0.078	---	---	28
29	---		---	0.126	0.132	0.332	0.111	0.281	0.123	0.088	---	---	29
30	---		---	0.152	0.140	0.329	0.108	0.278	0.122	0.088	---	---	30
31	---		---		0.201		0.108	0.284		0.070		---	31
TOTAL	---	---	---	---	7.662	13.853	5.802	4.574	6.826	2.810	---	---	TOTAL
MEAN	---	---	---	---	0.247	0.438	0.177	0.148	0.231	0.081	---	---	MEAN
MAX	---	---	---	---	0.488	0.838	0.332	0.284	0.310	0.118	---	---	MAX
MIN	---	---	---	---	0.132	0.284	0.108	0.087	0.122	0.088	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.217
MAXIMUM DAILY, 0.838 ON JUN 9
MINIMUM DAILY, 0.088 ON OCT 30
MAXIMUM INSTANTANEOUS,
0.848 AT 18:58 MST ON JUN 9

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 01 N
LONG 115 08 08 W
DRAINAGE AREA, 8.40 km²
A - MANUAL GAUGE

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	475
FEB	---	AUG	385
MAR	---	SEP	672
APR	---	OCT	243
MAY	880	NOV	---
JUN 1	110	DEC	---

TOTAL DISCHARGE, 3 480 dam³

MARTINEAU RIVER ABOVE COLD LAKE - STATION NO. 06AF006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.088	8.888	8.848	8.288	13.2	13.8	13.5	7.11	8.58	8.84	8.888	4.288	1
2	8.288	8.388	8.888	8.458	12.4	13.3	13.5	8.88	8.48	8.48	8.378	4.308	2
3	8.378	8.748	8.838	8.328	12.3	13.4	14.3	8.67	8.88	8.48	8.888	4.318	3
4	8.888	8.308	8.278	8.328	12.4	13.4	13.7	8.28	8.83	8.84	8.388	4.318	4
5	8.788	8.378	8.888	7.838	12.3	13.1	13.7	8.83	7.82	8.88	8.148	4.388	5
6	8.738	8.718	8.718	7.888	11.8	12.8	13.1	8.28	7.28	8.82	8.838	4.418	6
7	8.338	8.888	8.888	7.778	11.8	12.8	12.[illegible]	8.83	7.82	8.48	8.888	4.228	7
8	8.178	7.848	8.888	7.888	11.7	12.8	11.[illegible]	8.88	8.88	8.18	8.818	4.238	8
9	8.888	8.888	8.838	8.328	11.2	12.4	11.8	8.28	8.33	8.18	4.878	4.418	9
10	8.728	7.888	8.888	8.238	11.8	12.3	12.8	8.13	8.48	8.31	4.388	4.828	10
11	8.848	7.488	8.888	8.188	10.7	12.8	12.8	8.88	8.41	8.88	4.288	4.818	11
12	8.888	7.788	8.888	8.448	10.8	12.3	12.1	4.81	8.88	8.14	4.188	4.888	12
13	8.318	7.888	7.888	8.788	10.8	12.1	12.3	4.85	8.28	8.12	4.888	5.888	13
14	8.348	7.788	7.118	8.518	10.2	11.4	12.8	4.83	8.42	8.13	3.878	5.388	14
15	8.388	7.838	7.868	8.788	10.2	10.8	11.8	4.48	8.34	8.28	3.888	5.888	15
16	8.838	8.488	8.818	8.888	10.8	11.2	10.8	4.38	8.48	8.18	3.828	5.818	16
17	8.238	8.838	8.878	8.888	10.8	11.8	8.88	4.84	8.28	8.42	3.888	5.888	17
18	8.178	8.878	8.838	8.828	10.3	14.8	8.88	8.27	8.42	8.82	4.888	5.488	18
19	8.258	8.888	8.738	8.478	11.3	18.2	8.28	8.28	8.32	4.83	4.188	8.288	19
20	8.488	8.888	8.888	8.788	12.8	18.8	8.78	8.88	8.84	8.38	4.138	8.888	20
21	8.488	8.888	8.838	8.828	13.3	18.8	8.43	4.81	8.84	8.38	3.838	4.888	21
22	8.248	8.888	7.888	12.8 B	14.4	18.1	8.88	8.81	8.12	8.48	3.888	4.788	22
23	8.838	7.178	7.848	14.2 B	18.4	18.1	8.34	8.82	8.12	8.48	3.838	4.888	23
24	8.848	7.888	7.118	14.8	18.8	18.2	8.88	8.78	8.18	8.44	3.888	8.888	24
25	8.848	7.888	7.278	14.8	18.8	14.8	8.78	8.13	8.83	8.33	4.848	8.488	25
26	8.758	7.888	7.828	14.8	18.8	14.8	8.31	8.88	8.37	8.38	4.158	8.188	26
27	8.778	7.828	7.848	14.8	18.2	14.8	8.88	8.88	8.14	8.81	4.818	8.388	27
28	8.738	7.488	7.888	14.7	18.3	14.2	7.88	8.88	8.28	8.82	3.878	8.828	28
29	4.888		7.888	14.3	18.3	13.7	7.88	8.78	8.41	7.81	4.888	8.888	29
30	8.838		7.838	13.8	14.8	13.8	7.88	8.88	8.28	8.38	4.248	8.488	30
31	8.788		8.868		14.4		7.48	8.87		8.128		8.288	31
TOTAL	280.18	182.83	217.88	308.24	384.1	407.8	336.88	173.12	183.28	170.38	138.38	158.84	TOTAL
MEAN	8.84	8.88	7.83	10.2	12.7	13.8	10.8	8.58	8.44	8.58	4.81	5.13	MEAN
MAX	8.78	7.88	8.88	14.8	18.8	18.8	14.3	7.11	8.33	7.81	8.88	8.88	MAX
MIN	8.78	8.88	8.27	7.88	10.8	10.8	7.48	4.38	8.14	4.83	3.88	4.32	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.13
MAXIMUM DAILY, 18.8 ON MAY 26
MINIMUM DAILY, 3.888 ON NOV 15
MAXIMUM INSTANTANEOUS,
17.8 AT 19:52 MST ON MAY 26

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 41 10 N
LONG 110 01 35 W
DRAINAGE AREA, 8 380 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	24 200	JUL	28 100
FEB	16 700	AUG	16 000
MAR	19 800	SEP	16 700
APR	26 400	OCT	14 700
MAY	34 100	NOV	12 000
JUN	26 200	DEC	13 700

TOTAL DISCHARGE, 267 000 dam³

MASKWA CREEK NO. 1 ABOVE BEARHILLS LAKE - STATION NO. 05PA014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.1808	0.023	0.018	0.004	0.011	0.024	0.002	---	---	1
2	---	---	0 B	0.1808	0.024	0.012	0.004	0.009	0.031	0.001	---	---	2
3	---	---	0 B	0.2038	0.021	0.008	0.004	0.008	0.032	0.001	---	---	3
4	---	---	0 B	0.2388	0.023	0.010	0.004	0.048	0.028	0.001	---	---	4
5	---	---	0 B	0.1758	0.021	0.010	0.004	0.042	0.027	0.001	---	---	5
6	---	---	0 B	0.1388	0.018	0.011	0.004	0.025	0.028	0.001	---	---	6
7	---	---	0 B	0.1388	0.018	0.011	0.004	0.018	0.023	0.001	---	---	7
8	---	---	0 B	0.1758	0.018	0.038	0.004	0.013	0.022	0.001	---	---	8
9	---	---	0 B	0.3148	0.018	0.035	0.0058E	0.012	0.025	0.001	---	---	9
10	---	---	0 B	0.3688	0.018	0.022	0.0058E	0.008	0.023	0.007	---	---	10
11	---	---	0 B	0.4388	0.018	0.015	0.0058E	0.008	0.022	0.008	---	---	11
12	---	---	0 B	0.478	0.033	0.014	0.008E	0.007	0.021	0.003	---	---	12
13	---	---	0 B	0.384	0.022	0.011	0.007E	0.008	0.020	0.002	---	---	13
14	---	---	0 B	0.345	0.017	0.014	0.007	0.004	0.020	0.002	---	---	14
15	---	---	0 B	0.287	0.015	0.015	0.0058E	0.003	0.018	0.004	---	---	15
16	---	---	0 B	0.222	0.018	0.015	0.005	0.025	0.017	0.005	---	---	16
17	---	---	0 B	0.188	0.018	0.013	0.005	0.019	0.018	0.004	---	---	17
18	---	---	0 B	0.186	0.033	0.012	0.013	0.013	0.014	0.004	---	---	18
19	---	---	0 B	0.147	0.132	0.010	0.012	0.008	0.013	0.004	---	---	19
20	---	---	0 B	0.138	0.134	0.034	0.005	0.008	0.013	0.003	---	---	20
21	---	---	0 B	0.108	0.038	0.018	0.005	0.002	0.022	0.003	---	---	21
22	---	---	0 B	0.080	0.033	0.011	0.008	0.002	0.011	0.003	---	---	22
23	---	0B	0.0018	0.074	0.032	0.009	0.004	0.001	0.010	0.003	---	---	23
24	---	0B	0.0048	0.084	0.034	0.008	0.003	0.001	0.010	0.008	---	---	24
25	---	0B	0.0088	0.088	0.032	0.007	0.002	0.001	0.010	0.041	---	---	25
26	---	0B	0.0178	0.048	0.027	0.009	0.002	0.001	0.010	0.021	---	---	26
27	---	0B	0.0308	0.041	0.028	0.008	0.001	0.001	0.008	0.004	---	---	27
28	---	0B	0.0588	0.037	0.037	0.007	0.008	0.001	0.008	0.003	---	---	28
29	---		0.1008	0.032	0.026	0.004	0.013	0.001	0.008	0.002	---	---	29
30	---		0.1308	0.028	0.020	0.004	0.014	0.018	0.007	0.004	---	---	30
31	---		0.1408		0.021		0.014	0.023		0.002		---	31
TOTAL	---	---	0.475	5.441	0.842	0.414	0.184	0.339	0.550	0.148	---	---	TOTAL
MEAN	---	---	0.015	0.181	0.030	0.014	0.008	0.011	0.018	0.005	---	---	MEAN
MAX	---	---	0.140	0.478	0.134	0.038	0.014	0.048	0.032	0.041	---	---	MAX
MIN	---	---	0	0.028	0.015	0.004	0.001	0.001	0.007	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.035
MAXIMUM DAILY, 0.478 ON APR 12
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 47 05 N
LONG 113 37 48 W
DRAINAGE AREA, 78.5 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	15.9
FEB	---	AUG	29.3
MAR	41.0	SEP	47.5
APR	470	OCT	12.8
MAY	81.4	NOV	---
JUN	35.8	DEC	---

TOTAL DISCHARGE, 734 dam³

MASSY RESERVOIR NEAR ELKWATER - STATION NO. 11AB104

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	28.320E	28.791E	28.847E	28.878E	28.828	28.130	28.884	28.488	---	---	1
2	---	---	28.343E	27.148E	28.848E	28.872E	28.818	28.083	28.887	28.488	---	---	2
3	---	---	28.388E	27.488E	28.848E	28.868E	28.813	27.982	28.885	28.493	---	---	3
4	---	---	28.398E	27.851E	28.880A	28.863E	28.813	27.877	27.008	28.491	---	---	4
5	---	---	28.413E	27.900E	28.848E	28.858E	28.800	27.781	27.008	28.491	---	---	5
6	---	---	28.438A	27.848A	28.848E	28.855E	28.788	27.708	27.014	28.488	---	---	6
7	---	---	28.431E	27.898E	28.842E	28.853A	28.788	27.821	27.021	28.488	---	---	7
8	---	---	28.418E	27.748E	28.838E	28.848E	28.787	27.828	27.018	28.488	---	---	8
9	---	---	28.408E	27.788E	28.838E	28.848E	28.773	27.427	28.988	28.483	---	---	9
10	---	---	28.398E	27.830E	28.834E	28.848E	28.788	27.380	28.817	28.480	---	---	10
11	---	---	28.387E	27.878E	28.831E	28.843E	28.788	27.384	28.888	28.478	---	---	11
12	---	---	28.377E	27.880E	28.827E	28.841E	28.788	27.307	28.811	28.477	---	---	12
13	---	---	28.368E	28.098E	28.822E	28.840E	28.688	27.300	28.787	28.474	---	---	13
14	---	---	28.358E	28.210E	28.818E	28.839E	28.639	27.092	28.888	28.470	---	---	14
15	---	---	28.348E	28.328E	28.815E	28.837E	28.671	28.978	28.636	28.488	---	---	15
16	---	---	28.341E	28.441E	28.810E	28.838E	28.633	28.918	28.887	28.487	---	---	16
17	---	---	28.333A	28.518E	28.807A	28.838E	28.473	28.878	28.487	28.482	---	---	17
18	---	---	28.328E	28.548A	28.813E	28.838E	28.427	28.887	28.493	28.488	---	---	18
19	---	---	28.324E	28.598E	28.818E	28.838A	28.381	28.908	28.512	28.481	---	---	19
20	---	---	28.320E	28.658E	28.828E	28.838E	28.332	28.908	28.518	28.482	---	---	20
21	---	---	28.318E	28.718E	28.834E	28.837E	28.288	28.911	28.517	28.489	---	---	21
22	---	28.170A	28.313E	28.784E	28.842E	28.838E	28.233	28.908	28.518	28.489	---	---	22
23	---	28.182E	28.310E	28.788E	28.848E	28.841E	28.180	28.907	28.516	28.488	---	---	23
24	---	28.213E	28.307E	28.814E	28.858E	28.843E	28.153	28.907	28.518	28.488	---	---	24
25	---	28.234E	28.305E	28.838A	28.863E	28.845E	28.131	28.928	28.513	28.490	---	---	25
26	---	28.288E	28.302E	28.838E	28.868E	28.847E	28.148	28.948	28.512	28.448	---	---	26
27	---	28.277E	28.335E	28.841E	28.875E	28.848E	28.142	28.988	28.512	28.444	---	---	27
28	---	28.274E	28.842E	28.842E	28.883E	28.847A	28.180	28.988	28.507	28.441	---	---	28
29	---		28.848E	28.838E	28.888E	28.842	28.149	28.970	28.507	28.437	---	---	29
30	---		28.119E	28.845E	28.888A	28.839	28.145	28.975	28.508	28.436	---	---	30
31	---		28.434E		28.884E		28.141	28.981		28.438A		---	31
MEAN	---	---	28.438	28.322	28.844	28.848	28.497	27.236	28.713	28.487	---	---	MEAN
MAX	---	---	28.434	28.848	28.888	28.878	28.828	28.130	27.021	28.488	---	---	MAX
MIN	---	---	28.302	28.791	28.807	28.838	28.131	28.878	28.493	28.438	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 28.888A ON MAY 30
MINIMUM DAILY, 28.170A ON FEB 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 28 04 N
LONG 110 33 12 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

DRAINAGE AREA, 33.8 km²

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

MAYZHIWIN CREEK BELOW WARE COULEE - STATION NO. 05CJ012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.800E	4.38	5.88	5.52	2.38	3.17	0.302B	---	1
2	---	---	---	---	0.780E	4.88	5.11	5.74	1.80	3.70	---	---	2
3	---	---	---	---	0.710A	4.38	5.00	5.58	1.70	3.85	---	---	3
4	---	---	---	---	0.700E	4.61	4.88	5.08	1.72	3.37	---	---	4
5	---	---	---	---	0.850E	4.87	4.43	5.03	1.71	3.88	---	---	5
6	---	---	---	---	0.800E	4.63	4.37	5.14	1.82	4.00	---	---	6
7	---	---	---	---	0.550E	5.12	5.41	5.43	1.82	4.18	---	---	7
8	---	---	---	---	0.500E	5.12	5.73	5.00	1.73	2.58	---	---	8
9	---	---	---	---	0.450E	5.48	5.88	4.51	1.63	1.18	---	---	9
10	---	---	---	---	0.388A	5.87	5.83	4.48	1.58	0.780	---	---	10
11	---	---	---	---	2.18	5.32	7.88	3.78	1.88	0.782	---	---	11
12	---	---	---	---	2.08	5.01	6.00	3.84	1.87	0.482	---	---	12
13	---	---	---	---	0.988	4.80	7.15	4.46	1.58	0.880	---	---	13
14	---	---	---	---	1.73	3.88	6.64	4.85	1.80	0.517	---	---	14
15	---	---	---	---	1.77	4.28	5.68	5.13	1.43	0.372	---	---	15
16	---	---	---	---	0.988	4.74	5.88	5.13	1.28	0.287	---	---	16
17	---	---	---	---	1.27	5.28	7.40	5.31	1.28	0.185	---	---	17
18	---	---	---	---	2.14	5.29	8.60	4.68	1.40	0.152	---	---	18
19	---	---	---	---	2.87	5.61	8.87	4.04	1.38	0.151	---	---	19
20	---	---	---	---	4.34	5.84	8.48	4.34	1.31	0.141	---	---	20
21	---	---	---	---	4.51	5.11	5.78	4.38	1.38	0.138	---	---	21
22	---	---	---	---	4.22	5.07	5.88	4.30	1.50	0.128	---	---	22
23	---	---	---	---	4.05	5.88	5.03	3.28	1.72	0.238	---	---	23
24	---	---	---	---	4.87	6.09	5.88	2.84	1.87	0.187	---	---	24
25	---	---	---	---	7.57	6.45	6.63	2.70	2.08	0.150	---	---	25
26	---	---	---	---	5.42	6.44	6.74	3.20	1.77	0.139	---	---	26
27	---	---	---	---	4.82	6.88	6.31	2.88	2.03	0.131	---	---	27
28	---	---	---	---	5.02	6.80	6.07	2.98	2.11	0.123	---	---	28
29	---		---	---	5.41	6.17	6.48	2.49	2.48	0.1188	---	---	29
30	---		---	---	4.37	6.60	6.88	2.28	2.47	0.1878	---	---	30
31	---		---		3.88		6.38	2.28		0.1808		---	31
TOTAL	---	---	---	---	80.888	181.65	191.78	131.31	52.07	35.714	---	---	TOTAL
MEAN	---	---	---	---	2.80	5.38	5.18	4.24	1.74	1.15	---	---	MEAN
MAX	---	---	---	---	7.57	6.88	8.00	5.52	2.48	4.18	---	---	MAX
MIN	---	---	---	---	0.388	3.88	4.37	2.28	1.28	0.118	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 8.00 ON JUL 12

MAXIMUM INSTANTANEOUS,
8.50 AT 23:02 MST ON JUL 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 49 14 N
LONG 111 49 40 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	18 800
FEB	---	AUG	11 300
MAR	---	SEP	4 800
APR	---	OCT	3 090
MAY	8 870	NOV	---
JUN	14 000	DEC	---

MCALPINE CREEK (EAST FORK) NEAR ELKWATER LAKE - STATION NO. 05AH043

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0	0	0.0078	0	0	0	0	0	0	0	---	1
2	---	0	0	0.0088	0	0	0	0	0	0	0	---	2
3	---	0	0	0.0038	0	0	0	0	0	0	0	---	3
4	---	0	0	0.0038	0	0	0	0	0	0	0	---	4
5	---	0	0	0.0028	0.001	0	0	0	0	0	0	---	5
6	---	0	0 B	0.0028	0	0	0	0	0	0	0	---	6
7	---	0	0.0028	0.007	0	0	0	0	0	0	0	---	7
8	---	0	0.0038	0.003	0	0	0	0	0	0	0A	---	8
9	---	0	0.0028	0.001	0	0	0	0	0	0	---	---	9
10	---	0	0.0028	0.001	0	0	0	0	0	0	---	---	10
11	---	0	0.0018	0.008	0	0.020	0	0	0	0	---	---	11
12	---	0	0.0018	0.008	0	0.008	0	0	0	0	---	---	12
13	---	0	0.0018	0.008	0	0	0	0	0	0	---	---	13
14	---	0	0.0018	0.008	0	0	0	0	0	0	---	---	14
15	---	0	0.0018	0.007	0	0	0	0	0	0	---	---	15
16	---	0	0.0018	0.004	0	0	0	0	0	0	---	---	16
17	---	0	0.0018	0.004	0	0	0	0	0	0	---	---	17
18	---	0	0.0018	0.006	0	0	0	0	0	0	---	---	18
19	---	0	0.0018	0.005	0	0	0	0	0	0	---	---	19
20	---	0	0.0018	0.005	0	0	0	0	0	0	---	---	20
21	---	0	0.0018	0.004	0	0	0	0	0	0	---	---	21
22	---	0	0.0018	0.005	0	0	0	0	0	0	---	---	22
23	---	0	0.0038	0.004	0	0	0	0	0	0	---	---	23
24	---	0	0.0048	0.002	0	0	0	0	0	0	---	---	24
25	---	0	0.0078	0.001	0.001	0	0	0	0	0	---	---	25
26	---	0	0.0188	0.002	0	0	0	0	0	0	---	---	26
27	---	0	0.0188	0.002	0	0	0	0	0	0	---	---	27
28	---	0	0.0208	0.001	0.003	0	0	0	0	0	---	---	28
29	---		0.0138	0	0.017	0	0	0	0	0	---	---	29
30	---		0.0118	0	0.010	0	0	0	0	0	---	---	30
31	0A		0.0088		0.002		0	0		0		---	31
TOTAL	---	0	0.133	0.111	0.034	0.028	0	0	0	0	---	---	TOTAL
MEAN	---	0	0.004	0.004	0.001	0.001	0	0	0	0	---	---	MEAN
MAX	---	0	0.020	0.008	0.017	0.020	0	0	0	0	---	---	MAX
MIN	---	0	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS FEB TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.001
MAXIMUM DAILY, 0.020B ON MAR 28
MINIMUM DAILY, 0 ON FEB 1
MAXIMUM INSTANTANEOUS,
0.052 AT 12:50 MST ON JUN 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 47 40 N
LONG 110 11 03 W
DRAINAGE AREA, 30.5 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	0	AUG	0
MAR	10.6	SEP	0
APR	9.59	OCT	0
MAY	3.84	NOV	---
JUN	3.28	DEC	---

TOTAL DISCHARGE, 28.4 dam³

MCGREGOR LAKE INFLOW NEAR MILO - STATION NO. 05AC024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	32.8	32.7	31.6	28.7	32.8	14.8	0	---	1
2	---	---	---	0	32.7	28.8	31.7	30.6	32.4	14.6	0	---	2
3	---	---	---	0	33.1	31.7	31.7	31.2	25.7	15.0	0	---	3
4	---	---	---	0	33.2	33.1	31.2	31.3	28.2	15.2	0	---	4
5	---	---	---	0	33.2	33.0	31.4	31.3	31.0	15.3	0	---	5
6	---	---	---	0	29.3	32.5	32.0	31.2	29.9	11.0	0	---	6
7	---	---	---	0	25.6	31.2	31.4	30.7	28.2	5.55	0	---	7
8	---	---	---	0	26.7	31.5	31.2	30.7	27.3	0.843	0	---	8
9	---	---	---	0	21.6	32.9	31.3	30.8	28.8	0.400	0	---	9
10	---	---	---	0	12.5	31.9	32.1	30.8	24.8	0.280E	0	---	10
11	---	---	---	0	18.3	31.5	33.2	30.8	26.8	0.200E	0	---	11
12	---	---	---	0	20.1	31.5	31.8	31.1	28.3	0.100E	0	---	12
13	---	---	---	0	20.2	32.0	31.7	31.2	22.1	0.040E	0	---	13
14	---	---	---	0	20.3	32.8	31.8	31.1	20.1	0	0	---	14
15	---	---	---	0	19.9	32.2	31.7	31.1	18.5	0	0	---	15
16	---	---	---	0	24.1	32.1	31.8	31.3	19.5	0	0	---	16
17	---	---	---	0	24.6	28.8	31.6	31.2	19.4	0	0	---	17
18	---	---	---	0	24.9	25.6	31.2	30.9	19.4	0	0	---	18
19	---	---	---	0	29.5	25.7	31.3	28.2	19.2	0	0	---	19
20	---	---	---	0	30.4	28.8	31.0	27.8	19.4	0	0	---	20
21	---	---	---	9.73	30.4	30.2	30.8	29.3	19.3	0	0A	---	21
22	---	---	---	18.2	30.4	31.5	31.1	32.1	16.7	0	0E	---	22
23	---	---	---	21.1	30.0	31.9	31.4	32.1	18.9	0	0E	---	23
24	---	---	---	21.3	28.3	31.9	31.5	31.2	18.3	0	0E	---	24
25	---	---	---	25.1	26.9	31.6	31.2	30.4	18.8	0	0E	---	25
26	---	---	---	28.4	29.7	31.6	30.9	30.3	15.4	0	0E	---	26
27	---	---	---	30.5	29.2	31.8	30.8	31.4	15.0	0	0E	---	27
28	---	---	---	32.1	28.1	31.8	30.5	31.9	15.0	0	0E	---	28
29	---		---	32.8	28.3	31.7	28.5	30.7	15.0	0	0E	---	29
30	---		0A	32.8	30.3	31.9	26.7	31.8	15.0	0	0E	---	30
31	---		0		32.0		26.7	32.0		0		---	31
TOTAL	---	---	---	252.83	839.5	935.6	962.2	954.8	659.8	93.523	0	---	TOTAL
MEAN	---	---	---	8.43	27.1	31.2	31.0	30.8	22.0	3.02	0	---	MEAN
MAX	---	---	---	32.8	33.2	33.1	33.2	32.1	32.8	15.3	0	---	MAX
MIN	---	---	---	0	12.5	25.6	26.7	27.8	15.0	0	0	---	MIN

SUMMARY FOR THE MONTHS APR TO NOV

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 19.3
MAXIMUM DAILY, 33.2 ON MAY 4
MINIMUM DAILY, 0 ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 35 20 N
LONG 112 55 25 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1976

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	83 100
FEB	---	AUG	82 500
MAR	---	SEP	57 000
APR	21 800	OCT	8 080
MAY	72 500	NOV	0
JUN	80 800	DEC	---

TOTAL DISCHARGE, 408 000 dam³

MCGREGOR TRAVERS CANAL NEAR CHAMPION - STATION NO. 05AC025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	5.07	26.0	49.4	43.1	0.089	0	---	---	1
2	---	---	---	0	2.22	23.9	49.9	42.7	0	0	---	---	2
3	---	---	---	0	2.23	21.0	50.3	42.8	0	0	---	---	3
4	---	---	---	0	2.21	19.6	50.5	41.7	0	0	---	---	4
5	---	---	---	0	2.23	23.2	50.3	41.1	0	0	---	---	5
6	---	---	---	0	2.23	27.1	50.2	40.9	0	0	---	---	6
7	---	---	---	0	2.24	27.9	50.1	40.7	0	0	---	---	7
8	---	---	---	0	2.26	31.2	50.1	37.8	0	0	---	---	8
9	---	---	---	0	2.27	32.0	50.0	36.5	0	0	---	---	9
10	---	---	---	0	10.2	31.2	49.9	34.8	0	0	---	---	10
11	---	---	---	0	16.5	28.7	48.7	34.1	0	0	---	---	11
12	---	---	---	0	17.7	27.6	48.8	32.7	0	0	---	---	12
13	---	---	---	2.23A	17.7	27.5	48.3	31.7	0	0	---	---	13
14	---	---	---	15.8	17.8	26.3	48.0	31.4	0	0	---	---	14
15	---	---	---	23.2	17.6	24.8	47.3	27.6	0	0	---	---	15
16	---	---	---	33.0	18.8	25.0	47.2	24.1	0	0	---	---	16
17	---	---	---	39.0	18.3	26.0	47.0	21.9	0	0	---	---	17
18	---	---	---	40.2	20.6	26.9	46.9	20.8	0	0	---	---	18
19	---	---	---	48.0	24.4	28.7	46.7	20.6	0	0	---	---	19
20	---	---	---	49.5	25.9	33.4	46.8	20.9	0	0	---	---	20
21	---	---	---	49.0	25.9	38.8	46.3	20.9	0	0	---	---	21
22	---	---	---	48.7	25.5	42.3	46.2	20.8	0	0	---	---	22
23	---	---	---	48.5	31.1	45.4	46.1	20.8	0	0	---	---	23
24	---	---	---	44.8	30.8	46.1	46.0	21.0	0	0	---	---	24
25	---	---	---	38.8	22.5	46.1	45.8	21.1	0	0	---	---	25
26	---	---	---	29.2	22.5	47.3	45.7	21.1	0	0	---	---	26
27	---	---	---	20.2	22.6	48.6	44.9	21.1	0	0	---	---	27
28	---	---	---	10.4	24.8	49.9	43.8	18.7	0	0	---	---	28
29	---		---	5.88	25.9	49.7	43.5	11.9	0	0	---	---	29
30	---		0A	5.88	25.9	49.7	43.4	5.59	0	0A	---	---	30
31	---		0		26.0		43.3	3.31		0E		---	31
TOTAL	---	---	---	534.29	513.66	1 000.0	1 473.5	854.80	0.089	0	---	---	TOTAL
MEAN	---	---	---	17.8	16.6	33.3	47.5	27.6	0.003	0	---	---	MEAN
MAX	---	---	---	49.5	31.1	49.9	50.5	43.1	0.089	0	---	---	MAX
MIN	---	---	---	0	2.21	19.6	43.3	3.31	0	0	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 20.5
MAXIMUM DAILY, 50.5 ON JUL 4
MINIMUM DAILY, 0 ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 15 15 N
LONG 112 48 00 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	127 000
FEB	---	AUG	73 900
MAR	---	SEP	7.69
APR	46 200	OCT	0
MAY	44 400	NOV	---
JUN	86 400	DEC	---

TOTAL DISCHARGE, 374 000 dam³

MCLEOD RIVER ABOVE EMBARRAS RIVER - STATION NO. 07AF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.188	2.038	1.918	2.458	35.3	37.2	50.4	20.8	88.2	27.8	12.0	8.008	1
2	2.208	2.068	1.868	2.288	38.0	41.5	45.8	21.7	84.4	28.4	13.0	8.988	2
3	2.148	1.868	1.918	2.498	38.8	38.4	40.8	43.4	80.1	24.7	14.4 E	8.018	3
4	2.188	1.938	1.728	2.528	41.8	35.5	38.2	81.2	84.5	23.3	13.4 E	8.828	4
5	2.168	2.038	1.878	2.528	41.8	34.8	34.8	81.1	80.1	22.8	13.0 E	8.128	5
6	2.188	2.128	1.888	2.508	44.1	38.1	34.0	45.0	48.8	22.3	12.8 E	8.888	6
7	2.178	2.178	1.708	2.438	48.7	34.4	30.8	38.7	45.2	22.0	12.0 E	8.448	7
8	2.188	2.218	1.788	2.388	47.8	31.8	28.1	35.1	83.8	20.7	11.7 E	4.228	8
9	2.198	2.218	1.868	2.408	47.1	32.4	88.8	32.8	88.7	19.8	10.4 E	3.888	9
10	2.208	2.228	1.888	2.488	46.3	36.8	85.6	30.8	83.8	19.5	11.7 E	3.788	10
11	2.278	2.218	1.878	2.788	46.3	88.8	111	28.7	48.8	23.0	13.0 E	3.788	11
12	2.268	2.268	1.898	3.108	42.3	53.1	108	26.8	44.8	23.7	11.6 E	8.428	12
13	2.308	2.338	1.868	3.898	36.1	48.8	84.2	24.3	41.4	22.4	11.7 E	8.088	13
14	2.328	2.308	1.828	4.378	30.1	42.8	84.1	24.1	38.2	20.8	11.4 E	8.308	14
15	2.348	2.278	1.878	8.888	27.8	40.3	78.8	24.8	38.3	19.1	11.3 E	8.488	15
16	2.368	2.218	1.788	9.838	25.8	36.8	67.8	43.8	34.4	18.2	11.0 E	8.488	16
17	2.348	2.178	1.838	11.4 E	28.8	38.3	60.3	201	44.4	18.3	14.0 E	8.408	17
18	2.348	2.128	1.888	13.8 E	27.8	33.2	88.2	258	48.8	18.0	15.0 E	8.208	18
19	2.288	2.118	1.888	15.0 E	34.3	28.7	46.8	180	44.8	17.1	14.0 E	4.848	19
20	2.238	2.118	1.798	17.4 E	37.0	27.3	41.8	161	44.8	17.1	12.3 E	4.338	20
21	2.228	2.188	1.788	24.8 E	36.0	26.3	38.8	124	48.8	18.8	8.808	4.008	21
22	2.248	2.148	1.888	33.8 E	36.1	23.8	37.8	128	44.1	16.2	8.348	8.008	22
23	2.278	2.118	1.818	34.2 E	31.4	23.8	36.0	108	41.2	15.8	8.778	8.208	23
24	2.288	2.088	1.988	32.3 E	28.1	25.0	31.8	81.8	38.8	15.8	8.128	8.808	24
25	2.218	2.048	2.138	21.2 E	31.8	28.2	30.3	80.8	37.4	15.8	8.888	8.008	25
26	2.248	2.008	2.258	18.3 E	32.8	28.1	37.1	77.1	34.8	15.2	7.008	8.308	26
27	2.278	1.988	2.328	16.7 E	31.7	40.8	24.0	77.8	32.8	14.8	8.858	8.258	27
28	2.258	1.918	2.348	17.8	34.8	83.7	21.8	72.2	30.3	14.8	8.888	8.108	28
29	2.188		2.288	21.8	33.8	82.1	20.4	87.0	28.8	13.2	8.788	8.008	29
30	2.178		2.408	28.1	33.2	84.8	18.8	88.8	27.3	13.0	8.148	8.808	30
31	2.168		2.488		33.1		18.7	71.1		12.8		8.128	31
TOTAL	88.37	58.34	80.00	343.38	1 123.2	1 132.1	1 820.8	2 314.8	1 348.8	688.8	313.84	178.27	TOTAL
MEAN	2.24	2.12	1.94	11.4	36.2	37.7	48.1	74.7	44.8	18.8	10.8	8.88	MEAN
MAX	2.38	2.33	2.48	33.8	47.8	83.7	111	258	88.2	27.8	15.0	8.12	MAX
MIN	2.18	1.88	1.88	2.28	28.8	23.8	18.7	30.8	27.3	12.8	4.77	3.78	MIN

SUMMARY FOR THE YEAR 1989

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 24.8
MAXIMUM DAILY, 258 ON AUG 18
MINIMUM DAILY, 1.888 ON MAR 22
MAXIMUM INSTANTANEOUS,
306 AT 16:26 MST ON AUG 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 26 12 N
LONG 118 37 48 W
DRAINAGE AREA, 2 880 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 990	JUL	131 000
FEB	5 130	AUG	200 000
MAR	5 180	SEP	118 000
APR	28 700	OCT	50 600
MAY	97 000	NOV	27 100
JUN	97 800	DEC	15 200

TOTAL DISCHARGE, 781 000 dam³

MCLEOD RIVER NEAR CADOMIN - STATION NO. 07AF013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.4808	0.7208	8.03	14.0	7.44	4.81	13.1	5.81	3.488	---	1
2	---	---	0.4808	0.7158	8.14	12.7	8.87	10.4	12.8	5.53	---	---	2
3	---	---	0.4858	0.7108	8.88	11.8	8.40	18.0	11.4	5.32	---	---	3
4	---	---	0.4808	0.7058	8.78	12.8	8.18	12.2	10.8	5.11	---	---	4
5	---	---	0.5008	0.7008	7.80	13.8	8.08	10.3	8.84	4.81	---	---	5
6	---	---	0.5108	0.8888	8.88	12.2	8.88	8.32	8.84	4.81	---	---	6
7	---	---	0.5208	0.7008	10.8	10.8	8.73	7.73	11.1	4.80	---	---	7
8	---	---	0.5108	0.7058	11.4	8.78	8.17	7.28	12.8	4.38	---	---	8
9	---	---	0.5058	0.7108	11.3	8.82	10.7	8.88	11.7	4.12	---	---	9
10	---	---	0.5028	0.7208	11.8	18.8	14.4	8.88	11.0	4.44	---	---	10
11	---	---	0.4848	0.7308	8.82	18.0	20.0	8.07	10.1	4.28	---	---	11
12	---	---	0.4808	0.7708	8.28	13.2	18.0	8.00	8.88	4.10	---	---	12
13	---	---	0.4858	0.8308	7.48	12.4	18.7	8.44	8.35	3.88	---	---	13
14	---	---	0.4808	0.8808	7.20	11.8	17.4	8.08	8.85	3.688	---	---	14
15	---	---	0.4808	0.9808	7.08	10.8	13.8	7.83	8.40	3.528	---	---	15
16	---	---	0.4828	1.18 B	7.48	8.88	11.8	40.4 A	8.84	3.188	---	---	16
17	---	---	0.4858	1.48 B	7.31	8.48	10.1	83.1	8.27	3.318	---	---	17
18	---	---	0.5008	1.70 B	7.34	8.00	8.70	43.8	7.71	3.71	---	---	18
19	---	---	0.5208	1.88 B	8.88	8.20	8.03	34.7	7.88	3.88	---	---	19
20	---	---	0.5408	1.88 B	8.47	7.48	7.31	31.1	8.20	3.47	---	---	20
21	---	---	0.5478	2.24 B	8.13	6.87	8.88	24.8	8.23	3.38	---	---	21
22	---	---	0.5908	1.88 B	8.88	7.10	8.47	20.4	8.18	3.31	---	---	22
23	---	---	0.6108	1.84	8.28	8.81	8.88	17.8	8.84	3.18	---	---	23
24	---	---	0.5488	1.48	8.34	8.01	8.08	18.0	8.23	3.10	---	---	24
25	---	---	0.5708	1.42	8.88	8.48	8.48	18.2	7.87	3.02	---	---	25
26	---	---	0.6808	1.38	8.88	7.84	8.04	18.7	7.81	2.81	---	---	26
27	---	---	0.7088	1.87	8.48	8.88	4.78	18.8	7.11	2.88	---	---	27
28	---	---	0.7208	2.28	8.32	8.33	4.81	13.8	8.88	2.588	---	---	28
29	---		0.7258	3.88	7.04	7.80	4.38	13.8	8.23	2.588	---	---	29
30	---		0.7308	8.42	7.87	7.75	4.18	14.1	8.24	2.688	---	---	30
31	---		0.7258		10.8		8.13	13.8		2.688		---	31
TOTAL	---	---	17.288	41.884	233.84	311.52	288.03	538.71	275.17	117.83	---	---	TOTAL
MEAN	---	---	0.558	1.40	7.84	10.4	8.88	17.3	8.17	3.80	---	---	MEAN
MAX	---	---	0.730	8.42	11.8	18.8	20.0	83.1	13.1	8.81	---	---	MAX
MIN	---	---	0.480	0.888	8.14	8.87	4.18	4.81	8.23	2.88	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.35
MAXIMUM DAILY, 83.1 ON AUG 17
MINIMUM DAILY, 0.4808 ON MAR 1
MAXIMUM INSTANTANEOUS,
109 AT 00:16 MST ON AUG 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 04 44 N
LONG 117 11 50 W
DRAINAGE AREA, 331 km²

A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	23 200
FEB	---	AUG	48 300
MAR	1 480	SEP	23 800
APR	3 820	OCT	10 200
MAY	20 200	NOV	---
JUN	28 900	DEC	---

TOTAL DISCHARGE, 158 000 dam³

MCLEOD RIVER NEAR ROSEVEAR - STATION NO. 07AG007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.208	3.798	4.708	5.528	54.1	48.7	148	47.4	158	48.8	30.1	18.48	1
2	5.208	3.838	4.778	5.628	52.7	53.2	130	88.8	148	48.2	31.1	20.88	2
3	5.208	3.828	4.828	5.868	78.0	52.1	133	153	137	48.8	34.2	21.38	3
4	5.158	3.478	4.818	5.118	78.8	48.8	107	332	127	48.1	32.8	21.18	4
5	5.108	3.818	4.748	5.078	76.8	48.1	81.7	348	118	43.8	32.8	22.38	5
6	5.108	3.898	4.788	6.088	70.5	44.1	88.8	288	111	43.3	31.5	22.88	6
7	5.128	3.718	4.788	6.168	71.7	44.2	77.8	181	108	42.8	28.8	20.08	7
8	5.128	3.848	4.808	6.338	70.2	41.3	88.8	148	105	41.8	28.8	17.88	8
9	5.138	3.818	4.848	6.388	87.8	44.1	221	137	113	40.0	31.7	18.78	9
10	5.118	3.898	4.498	6.808	84.8	88.8	314	112	106	39.2	32.2	14.38	10
11	5.108	4.088	4.488	8.438	82.8	88.8	378	102	88.8	41.8	31.48	13.78	11
12	5.008	4.128	4.848	10.2 B	80.2	118	332	91.4	88.3	83.1	30.28	13.88	12
13	5.008	4.218	4.888	18.8 B	84.2	82.0	287	78.7	81.8	83.2	29.88	13.88	13
14	5.008	4.288	4.858	20.8 B	87.4	77.8	184	88.8	78.3	80.0	29.08	18.48	14
15	4.958	4.478	4.888	28.0 B	82.3	70.0	188	87.8	88.8	48.8	28.88	18.88	15
16	4.858	4.608	4.888	32.7 B	38.8	88.7	173	84.3	88.3	42.8	28.28	18.88	16
17	4.808	4.808	4.848	40.0 B	38.8	88.1	171	318	71.8	40.8	35.08	17.88	17
18	4.758	4.848	4.808	37.0 B	37.0	81.3	138	888	88.7	37.3	34.08	18.88	18
19	4.858	4.838	4.808	38.0 B	40.7	88.7	113	888	87.4	38.8	38.08	18.88	19
20	4.808	4.828	4.888	38.0 B	81.4	48.8	88.3	488	88.8	38.1	37.78	13.88	20
21	4.858	4.388	4.478	40.0 B	88.8	48.7	88.2	383	87.8	37.8	33.28	12.88	21
22	4.858	4.428	4.828	43.0 B	71.2	43.0	87.8	322	83.8	36.8	31.88	11.88	22
23	4.808	4.808	4.828	48.0 B	88.3	40.1	80.2	287	77.7	38.8	18.78	11.18	23
24	4.888	4.888	4.518	80.0 B	88.2	38.8	87.4	280	73.0	38.3	18.88	11.28	24
25	4.858	4.888	4.828	82.0 B	84.7	40.3	84.8	287	88.1	38.1	18.88	12.38	25
26	4.808	4.728	4.888	88.0 B	88.1	40.2	77.1	183	84.7	38.2	18.18	13.88	26
27	4.888	4.738	4.888	84.0 B	85.2	88.8	88.3	177	80.8	38.4	18.48	14.88	27
28	4.408	4.888	4.878	48.8	83.8	188	87.1	188	84.7	38.8	20.88	17.38	28
29	4.208		5.078	43.8	88.4	210	88.7	182	83.2	38.2	18.08	17.48	29
30	4.108		5.248	48.4	88.8	173	84.4	148	80.7	34.1E	17.88	17.18	30
31	4.008		5.418		81.8		84.1	183		33.3A		18.18	31
TOTAL	148.01	118.58	145.38	830.48	1 811.9	2 124.8	4 232.8	8 882.1	2 780.8	1 278.3	835.3	503.8	TOTAL
MEAN	4.81	4.24	4.88	27.7	58.4	70.8	138	218	91.7	41.2	27.8	18.3	MEAN
MAX	5.20	4.84	5.41	82.0	78.8	210	378	888	188	83.2	38.0	32.8	MAX
MIN	4.00	3.47	4.48	5.82	38.8	38.8	84.1	47.4	80.7	33.3	18.7	11.1	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 58.8
MAXIMUM DAILY, 888 ON AUG 18
MINIMUM DAILY, 3.478 ON FEB 4
MAXIMUM INSTANTANEOUS,
708 AT 18:41 MST ON AUG 18

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 41 48 N
LONG 118 08 42 W
DRAINAGE AREA, 7 150 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	12 900	JUL	388 000
FEB	10 200	AUG	878 000
MAR	12 600	SEP	238 000
APR	71 800	OCT	110 000
MAY	187 000	NOV	72 200
JUN	184 000	DEC	43 800

TOTAL DISCHARGE, 1 880 000 dam³

MCLEOD RIVER NEAR WHITECOURT - STATION NO. 07AG004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	4.878	6.848	81.8	88.3	177	87.3	183	88.8	---	---	1
2	---	---	4.928	7.828	81.8	84.8	180	80.4	182	84.8	---	---	2
3	---	---	4.888	8.138	73.1	88.7	188	187	180	84.7	---	---	3
4	---	---	4.838	8.468	88.8	88.8	148	383	142	82.7	---	---	4
5	---	---	4.818	8.868	84.4	80.7	134	483	132	80.8	---	---	5
6	---	---	5.008	9.888	78.8	47.8	114	381	128	48.8	---	---	6
7	---	---	5.088	11.8 B	78.2	48.8	108	287	122	48.4	---	---	7
8	---	---	5.008	11.8 B	77.1	48.8	113	187	117	47.8	---	---	8
9	---	---	4.988	11.8 B	74.8	48.8	188	188	117	48.4	---	---	9
10	---	---	4.988	11.7 B	71.8	88.8	343	148	118	44.3	---	---	10
11	---	---	4.838	12.8 B	88.8	88.8	408	131	112	43.8	---	---	11
12	4.788	---	4.838	18.4 B	88.8	122	413	117	103	47.3	---	---	12
13	---	---	4.808	24.7 B	83.8	112	328	102	83.4	88.8	---	---	13
14	---	---	4.848	34.8 B	88.8	88.4	248	88.8	88.3	87.8	---	---	14
15	---	---	4.818	38.2 B	80.7	83.4	201	78.7	80.7	84.3	---	---	15
16	---	4.838	4.808	38.8 B	48.8	77.0	188	80.3	78.8	80.8	---	---	16
17	---	---	4.858	40.8 B	42.2	74.8	204	208	74.3	47.8	---	---	17
18	---	---	4.788	42.8 B	41.8	88.8	178	707	88.8	44.1	---	---	18
19	---	---	4.788	41.8 B	48.8	84.8	168	724	107	41.8	---	---	19
20	---	---	4.788	43.4 B	88.2	87.2	128	888	102	42.8	---	---	20
21	---	---	4.708	43.3 B	78.7	82.8	118	442	84.7	42.2	---	---	21
22	---	4.888	4.838	43.8 B	88.7	88.8	124	388	83.4	41.8	---	---	22
23	---	4.748	4.748	51.4 B	82.7	48.2	118	348	88.8	40.8	---	---	23
24	---	4.818	4.888	84.4 B	78.1	42.4	113	285	83.8	38.8	---	---	24
25	4.788	4.818	5.128	71.1 B	87.8	41.8	112	238	78.8	38.3	---	---	25
26	---	4.788	5.288	88.8	82.8	42.8	108	203	78.8	38.8	---	---	26
27	---	4.878	5.888	82.8	84.8	88.8	83.8	188	71.2	40.8	---	---	27
28	---	5.028	5.788	88.8	81.8	144	88.8	180	87.2	40.8	---	---	28
28	---		8.048	48.8	81.2	248	80.1	188	83.8	38.78	---	---	28
30	---		8.288	48.8	84.8	218	74.7	188	88.8	37.88	---	---	30
31	---		8.448		81.1		72.1	188		38.08		---	31
TOTAL	---	---	187.88	988.48	2 048.8	2 281.8	8 180.8	7 858.2	3 047.8	1 428.1	---	---	TOTAL
MEAN	---	---	8.08	32.8	88.8	78.4	188	284	102	48.1	---	---	MEAN
MAX	---	---	8.44	71.1	88.7	248	413	724	183	88.8	---	---	MAX
MIN	---	---	4.83	8.84	41.8	41.8	72.1	87.3	88.8	38.8	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 83.8
MAXIMUM DAILY, 724 ON AUG 19
MINIMUM DAILY, 4.838 ON MAR 22
MAXIMUM INSTANTANEOUS,
788 AT 88:48 MST ON AUG 18

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 88 48 N
LONG 118 58 18 W
DRAINAGE AREA, 8 188 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	448 888
FEB	---	AUG	878 888
MAR	13 888	SEP	283 888
APR	88 288	OCT	123 888
MAY	177 888	NOV	---
JUN	188 888	DEC	---

TOTAL DISCHARGE, 1 888 888 dam³

MEADOW CREEK NEAR THE MOUTH - STATION NO. 08AB029

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.130	0.061	0	0	0	0	---	---	1
2	---	---	0B	0 B	0.182	0.043	0	0	0	0	---	---	2
3	---	---	0B	0 B	0.218	0.030	0	0	0	0	---	---	3
4	---	---	0B	0 B	0.182	0.022	0	0	0	0	---	---	4
5	---	---	0B	0 B	0.134	0.020	0	0	0	0	---	---	5
6	---	---	0B	0.0868	0.108	0.011	0	0	0	0	---	---	6
7	---	---	0B	0.1008	0.104	0.003	0	0	0	0	---	---	7
8	---	---	0B	0.1888	0.112	0.002	0	0	0	0	---	---	8
9	---	---	0B	0.082	0.116	0.003	0	0	0	0	---	---	9
10	---	---	0B	0.028	0.080	0.018	0	0	0	0	---	---	10
11	---	---	0B	0.019	0.088	0.084	0	0	0	0	---	---	11
12	---	---	0B	0.042	0.085	0.081	0	0	0	0	---	---	12
13	---	---	0B	0.121	0.034	0.039	0	0	0	0	---	---	13
14	---	---	0B	0.182	0.028	0.018	0	0	0	0	---	---	14
15	---	---	0B	0.203	0.026	0.011	0	0	0	0	---	---	15
16	---	---	0B	0.221	0.021	0.005	0	0	0	0	---	---	16
17	---	---	0B	0.130	0.018	0.008	0	0	0	0	---	---	17
18	---	---	0B	0.082	0.016	0.001	0	0	0	0	---	---	18
19	---	---	0B	0.087	0.013	0.001	0	0	0	0	---	---	19
20	---	---	0B	0.208	0.008	0	0	0	0	0	---	---	20
21	---	---	0B	0.248	0.003	0	0	0	0	0	---	---	21
22	---	---	0B	0.243	0.002	0	0	0	0	0	---	---	22
23	---	---	0B	0.185	0.001	0	0	0	0	0	---	---	23
24	---	---	0B	0.132	0.001	0	0	0	0	0	---	---	24
25	---	---	0B	0.094	0.004	0	0	0	0	0	---	---	25
26	---	---	0B	0.145	0.008	0	0	0	0	0	---	---	26
27	---	---	0B	0.184	0.008	0	0	0	0	0	---	---	27
28	---	0B	0B	0.180	0.033	0	0	0	0	0	---	---	28
29	---		0B	0.109	0.084	0	0	0	0	0	---	---	29
30	---		0B	0.101	0.071	0	0	0	0	0	---	---	30
31	---		0B		0.083		0	0		0A		---	31
TOTAL	---	---	0	3.311	1.811	0.480	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.110	0.082	0.016	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.248	0.218	0.084	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0.001	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.033
MAXIMUM DAILY, 0.248 ON APR 21
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.347 AT 13:15 MST ON APR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 57 15 N
LONG 113 38 43 W
DRAINAGE AREA, 130 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	288	OCT	0
MAY	195	NOV	---
JUN	38.7	DEC	---

TOTAL DISCHARGE, 491 dam³

MEANDER RIVER AT OUTLET HUTCH LAKE - STATION NO. 07OB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	2.02	6.71	1.84	0.217	0.002	0	---	---	1
2	---	---	0B	0 B	2.72	6.46	1.36	0.331	0.002	0	---	---	2
3	---	---	0B	0 B	3.43	6.34	1.83	0.228	0.002	0	---	---	3
4	---	---	0B	0 B	3.86	5.83	1.82	0.228	0.002	0	---	---	4
5	---	---	0B	0 B	3.81	5.03	1.48	0.214	0.002	0	---	---	5
6	---	---	0B	0 B	3.71	4.88	1.39	0.195	0.002	0	---	---	6
7	---	---	0B	0 B	3.47	4.30	1.19	0.185	0.002	0	---	---	7
8	---	---	0B	0 B	3.46	4.19	1.07	0.170	0.002	0	---	---	8
9	---	---	0B	0 B	3.10	4.06	0.972	0.150	0.002	0	---	---	9
10	---	---	0B	0.0018	2.84	3.73	0.891	0.141	0.001	0	---	---	10
11	---	---	0B	0.0038	2.88	3.38	0.806	0.082	0.001	0	---	---	11
12	---	---	0B	0.0048	2.88	3.08	0.732	0.018	0	0	---	---	12
13	---	---	0B	0.0038	4.38	2.84	0.888	0.018	0	0	---	---	13
14	---	---	0B	0.0078	5.32	2.77	0.838	0.017	0.001	0	---	---	14
15	---	---	0B	0.0088	5.00	2.98	0.836	0.018	0.001	0	---	---	15
16	---	---	0B	0.0068	4.80	3.78	0.502	0.014	0.001	0	---	---	16
17	---	---	0B	0.0088	4.18	3.54	0.485	0.008	0	0	---	---	17
18	---	---	0B	0.0308	3.77	3.44	0.448	0.008	0	0	---	---	18
19	---	---	0B	0.0738	3.88	3.31	0.430	0.004	0	0	---	---	19
20	---	---	0B	0.1008	3.57	3.18	0.397	0.003	0	0	---	---	20
21	---	---	0B	0.1308	3.88	3.04	0.380	0.004	0	0	---	---	21
22	---	---	0B	0.1308	4.24	3.03	0.413	0.003	0	0B	---	---	22
23	---	---	0B	0.1608	5.11	2.88	0.400	0.003	0	0B	---	---	23
24	---	---	0B	0.2708	5.14	3.02	0.390	0.003	0	0B	---	---	24
25	---	---	0B	0.343	4.48	2.80	0.378	0.003	0	0B	---	---	25
26	---	---	0B	0.418	5.28	2.87	0.388	0.003	0	0B	---	---	26
27	---	---	0B	0.880	6.11	3.13	0.338	0.003	0	0B	---	---	27
28	---	0B	0B	0.778	6.08	3.38	0.308	0.002	0	0B	---	---	28
29	---		0B	0.886	6.78	1.84	0.272	0.003	0	0B	---	---	29
30	---		0B	1.31	6.81	1.73	0.282	0.003	0	0B	---	---	30
31	---		0B		6.78		0.237	0.002		0B		---	31
TOTAL	---	---	0	5.306	132.82	101.03	22.263	2.178	0.026	0	---	---	TOTAL
MEAN	---	---	0	0.177	4.28	3.37	0.718	0.070	0.001	0	---	---	MEAN
MAX	---	---	0	1.31	6.81	6.71	1.82	0.231	0.002	0	---	---	MAX
MIN	---	---	0	0	2.02	1.73	0.237	0.002	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.08
MAXIMUM DAILY, 6.81 ON MAY 30
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
6.89 AT 15:00 MST ON MAY 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 48 15 N
LONG 117 33 06 W

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 920
FEB	---	AUG	188
MAR	0	SEP	3.18
APR	488	OCT	0
MAY	11 500	NOV	---
JUN	8 730	DEC	---

TOTAL DISCHARGE, 23 800 dam³

MEDICINE RIVER NEAR ECKVILLE - STATION NO. 05CC007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.285B	0.270B	0.210B	0.445B	8.31A	4.28	2.83	1.29	2.83	0.717	7.82B	1.25 B	1
2	0.285B	0.255B	0.225B	0.485B	8.11A	3.55	2.57	1.17	2.88	0.724	7.82B	1.20 B	2
3	0.280B	0.245B	0.240B	0.405B	4.84A	2.88	2.53	1.49	3.24	0.729	7.73B	1.14 B	3
4	0.280B	0.240B	0.255B	0.800B	4.91A	2.62	2.48	8.49	3.24	0.751	6.38B	1.14 B	4
5	0.285B	0.230B	0.280B	1.50 B	4.48	2.35	2.11	23.2	3.31	0.739	5.64B	1.13 B	5
6	0.280B	0.225B	0.300B	4.00 B	4.04	1.84	1.71	32.6	3.37	0.723	5.80B	1.12 B	6
7	0.280B	0.220B	0.285B	7.00 B	3.77	1.82	1.48	38.2	3.12	0.721	5.15B	1.10 B	7
8	0.285B	0.210B	0.285B	10.5 B	3.55	1.42	1.35	36.5	2.77	0.720	4.80B	1.00 B	8
9	0.280B	0.205B	0.280B	16.0 B	3.53	1.35	1.31	23.0	2.57	0.750	4.40B	0.952B	9
10	0.283B	0.200B	0.285B	21.0 B	3.40	1.31	1.33	13.9	2.24	0.852	3.90B	0.900B	10
11	0.280B	0.200B	0.280B	28.5 B	3.35	1.43	3.22	10.3	2.03	0.819	3.60B	0.841B	11
12	0.280B	0.185B	0.275B	37.0 B	3.36	2.24	9.21	6.08	1.82	0.811	3.50B	0.831B	12
13	0.285B	0.185B	0.268B	44.5 B	3.13	2.45	18.0	6.41	1.74	1.10	3.45B	0.834B	13
14	0.285B	0.200B	0.260B	58.0	3.04	2.38	18.4	5.02	1.52	1.71	3.30B	0.843B	14
15	0.300B	0.200B	0.255B	84.5	2.83	1.82	12.2	4.10A	1.38	1.87	3.20B	0.884B	15
16	0.305B	0.200B	0.258B	55.4	2.39	1.75	6.89	4.70A	1.25	2.81	3.10B	0.857B	16
17	0.305B	0.205B	0.250B	41.7	2.08	1.73	7.43	6.47A	1.20	3.23	3.20B	0.885B	17
18	0.300B	0.210B	0.245B	28.7	1.88	1.72	8.17	11.8 A	1.08	3.04	2.90B	0.905B	18
19	0.300B	0.215B	0.245B	19.8	1.87	2.12	7.41	11.1 A	0.948	2.66	2.80B	0.878B	19
20	0.300B	0.210B	0.240B	14.0	3.48	3.10	5.82	10.1 A	0.887	2.48	2.75B	0.800B	20
21	0.285B	0.210B	0.245B	11.5 A	18.2	1.89	4.44	8.72A	0.911	2.35	2.57B	0.742B	21
22	0.280B	0.205B	0.250B	12.4 A	26.7	1.83	3.87	8.42A	0.902	2.14	2.47B	0.685B	22
23	0.285B	0.205B	0.255B	11.3 A	24.3	1.39	3.80	8.16A	0.805	1.98	2.37B	0.665B	23
24	0.280B	0.200B	0.280B	9.86 A	18.8	1.24	3.58	7.37A	0.770	2.00	2.28B	0.678B	24
25	0.280B	0.200B	0.280B	14.5 A	12.4	1.12	2.98	6.54A	0.758	5.11	1.90B	0.573B	25
26	0.285B	0.185B	0.310B	15.8 A	11.1	1.04	2.58	5.48A	0.749	18.1	1.72B	0.684B	26
27	0.290B	0.185B	0.330B	12.5 A	9.58	1.03	2.20	4.05A	0.728	28.2	1.58B	0.708B	27
28	0.285B	0.200B	0.350B	9.28 A	8.03	0.989	1.87	3.80A	0.678	25.9	1.52B	0.702B	28
29	0.300B		0.370B	7.08 A	8.83	1.10	1.52	3.05A	0.707	19.0	1.47B	0.687B	29
30	0.285B		0.400B	7.87 A	5.91	2.47	1.42	2.73A	0.730	13.1	1.34B	0.687B	30
31	0.287B		0.420B		4.83		1.43	2.57A		10.3		0.684B	31
TOTAL	8.805	5.941	8.759	567.855	212.56	57.085	143.61	318.32	51.340	157.335	113.56	27.055	TOTAL
MEAN	0.282	0.212	0.283	18.9	6.86	1.90	4.63	10.3	1.71	5.08	3.79	0.873	MEAN
MAX	0.305	0.270	0.420	84.5	26.7	4.28	18.4	38.2	3.37	28.2	7.82	1.25	MAX
MIN	0.280	0.185	0.210	0.445	1.88	0.989	1.31	1.17	0.678	0.717	1.34	0.684	MIN

SUMMARY FOR THE YEAR 1989

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.58
MAXIMUM DAILY, 84.5 ON APR 15
MINIMUM DAILY, 0.185B ON FEB 12
MAXIMUM INSTANTANEOUS,
88.2 AT 09:52 MST ON APR 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 19 05 N
LONG 114 20 33 W
DRAINAGE AREA, 1 910 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	761	JUL	12 400
FEB	513	AUG	27 500
MAR	757	SEP	4 440
APR	49 000	OCT	13 600
MAY	18 400	NOV	9 810
JUN	4 930	DEC	2 340

TOTAL DISCHARGE, 144 000 dam³

MEETING CREEK NEAR DONALDA - STATION NO. 05FC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.08 B	0.014	0.011	0.138	0.004	0	0	---	---	1
2	---	---	0 B	1.38 B	0.015	0.009	0.044	0.002	0.004	0	---	---	2
3	---	---	0 B	1.74 B	0.020	0.007	0.019	0	0.030	0	---	---	3
4	---	---	0 B	2.03 B	0.019	0.005	0.008	0	0.038	0	---	---	4
5	---	---	0 B	1.72 B	0.018	0.004	0.010	0	0.043	0	---	---	5
6	---	---	0 B	1.23 B	0.018	0.002	0.008	0	0.051	0	---	---	6
7	---	---	0 B	0.807B	0.011	0	0.007	0	0.030	0	---	---	7
8	---	---	0 B	0.578B	0.006	0	0.004	0	0.018	0	---	---	8
9	---	---	0 B	0.472B	0.002	0	0.080	0	0.013	0	---	---	9
10	---	---	0 B	0.383	0	0	1.84	0	0.007	0	---	---	10
11	---	---	0 B	0.282	0.013	0	3.15	0	0.003	0	---	---	11
12	---	---	0 B	0.251	0.028	0	1.04	0	0.001	0	---	---	12
13	---	---	0 B	0.223	0.018	0	0.211	0	0	0	---	---	13
14	---	---	0 B	0.181	0.011	0	0.080	0	0	0	---	---	14
15	---	---	0 B	0.149	0.006	0	0.052	0	0	0	---	---	15
16	---	---	0 B	0.106	0.003	0	0.049	0	0	0	---	---	16
17	---	---	0 B	0.084	0	0	0.045	0	0	0	---	---	17
18	---	---	0 B	0.063	0	0	0.041	0	0	0	---	---	18
19	---	---	0 B	0.046	0.071	0	0.037	0	0	0	---	---	19
20	---	---	0 B	0.033	0.117	0	0.034	0	0	0	---	---	20
21	---	---	0 B	0.037	0.078	0	0.031	0.010	0	0	---	---	21
22	---	0B	0 B	0.037	0.049	0	0.029	0.001	0	0	---	---	22
23	---	0B	0.002B	0.041	0.039	0	0.027	0	0	0	---	---	23
24	---	0B	0.010B	0.040	0.012	0	0.025	0	0	0	---	---	24
25	---	0B	0.020B	0.038	0.001	0	0.022	0	0	0.007	---	---	25
26	---	0B	0.030B	0.033	0.002	0	0.020	0	0	0.006	---	---	26
27	---	0B	0.035B	0.029	0.004	0	0.018	0	0	0.002	---	---	27
28	---	0B	0.040B	0.021	0.007	0.015	0.015	0	0	0	---	---	28
29	---		0.108B	0.018	0.010	0.007	0.012	0	0	0	---	---	29
30	---		0.292B	0.014	0.012	0.010	0.008	0	0	0	---	---	30
31	---		0.547B		0.011		0.007	0		0 A		---	31
TOTAL	---	---	1.084	13.227	0.597	0.071	7.082	0.017	0.238	0.015	---	---	TOTAL
MEAN	---	---	0.035	0.441	0.019	0.002	0.228	0.001	0.008	0	---	---	MEAN
MAX	---	---	0.547	2.03	0.117	0.015	3.15	0.010	0.051	0.007	---	---	MAX
MIN	---	---	0	0.014	0	0	0.004	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.081
MAXIMUM DAILY, 3.15 ON JUL 11
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.71 AT 17:05 MST ON JUL 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 34 48 N
LONG 112 31 57 W
DRAINAGE AREA, 472 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	613
FEB	---	AUG	1.47
MAR	93.7	SEP	20.5
APR	1 140	OCT	1.30
MAY	51.6	NOV	---
JUN	6.13	DEC	---

TOTAL DISCHARGE, 1 930 dam³

MICHEL RESERVOIR NEAR ELKWATER - STATION NO. 11AB001

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	301.485	301.688	302.671	302.836	302.787	302.704	302.357E	302.306	---	---	1
2	---	---	301.487	301.920	302.678	302.838	302.788	302.693	302.358E	302.305	---	---	2
3	---	---	301.490	301.959	302.684	302.838	302.783	302.670	302.358E	302.305	---	---	3
4	---	---	301.490	301.884	302.691	302.834	302.780	302.674	302.358E	302.305	---	---	4
5	---	---	301.493	302.009	302.693	302.833	302.789	302.688	302.358A	302.304	---	---	5
6	---	---	301.498	302.038	302.700	302.832	302.785	302.686	302.353	302.301	---	---	6
7	---	---	301.499	302.070	302.711	302.828	302.783	302.684	302.350	302.301	---	---	7
8	---	---	301.499	302.092	302.712	302.823	302.783	302.686A	302.354	302.305	---	---	8
9	---	---	301.501	302.103	302.711	302.817	302.738	302.683E	302.350	302.303	---	---	9
10	---	---	301.512	302.116	302.712	302.814	302.731	302.378E	302.351	302.303	---	---	10
11	---	---	301.529	302.137	302.713	302.831	302.728	302.378E	302.344	302.304	---	---	11
12	---	---	301.534	302.172	302.708	302.834	302.727	302.378E	302.343	302.305	---	---	12
13	---	---	301.540	302.221	302.704	302.832	302.718	302.374E	302.344	302.304	---	---	13
14	---	---	301.543	302.267	302.703	302.826	302.735	302.373E	302.343	302.303	---	---	14
15	---	---	301.545	302.322	302.703	302.826	302.726	302.372E	302.340	302.300	---	---	15
16	---	---	301.541	302.388	302.708	302.822	302.723	302.370E	302.339	302.301	---	---	16
17	---	---	301.541	302.388	302.705	302.815	302.718	302.388A	302.335	302.297	---	---	17
18	---	---	301.544	302.405	302.701	302.813	302.716	302.388E	302.335	302.297	---	---	18
19	---	---	301.549	302.432	302.697	302.800	302.717	302.387E	302.340	302.297	---	---	19
20	---	---	301.548	302.466	302.702	302.782	302.714	302.387E	302.336	302.297	---	---	20
21	---	301.488A	301.548	302.518	302.701	302.788	302.712	302.387E	302.334	302.298	---	---	21
22	---	301.487	301.552	302.558	302.698	302.785	302.705	302.387E	302.334	302.298	---	---	22
23	---	301.483	301.553	302.594	302.700	302.783	302.697	302.388E	302.336	302.297	---	---	23
24	---	301.480	301.557	302.604	302.706	302.779	302.698	302.388E	302.330	302.298	---	---	24
25	---	301.490	301.567	302.612	302.737	302.788	302.701	302.387E	302.327	302.294	---	---	25
26	---	301.487	301.568	302.621	302.743	302.806	302.703	302.388E	302.324	302.294	---	---	26
27	---	301.488	301.603	302.633	302.744	302.808	302.696	302.384E	302.323	302.290	---	---	27
28	---	301.491	301.636	302.643	302.782	302.804	302.720	302.382E	302.317	302.288	---	---	28
29	---		301.661	302.653	302.798	302.806	302.717	302.380E	302.316	302.288	---	---	29
30	---		301.741	302.663	302.819	302.805	302.711	302.380E	302.316	302.287A	---	---	30
31	---		301.805		302.831		302.706	302.384E		302.288E		---	31
MEAN	---	---	301.585	302.318	302.718	302.815	302.731	302.450	302.340	302.298	---	---	MEAN
MAX	---	---	301.805	302.663	302.831	302.836	302.787	302.704	302.367	302.306	---	---	MAX
MIN	---	---	301.485	301.868	302.671	302.779	302.697	302.368	302.316	302.288	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 302.836 ON JUN 2
MINIMUM DAILY, 301.485 ON MAR 1
MAXIMUM INSTANTANEOUS,
302.856 AT 17:10 CST ON JUN 2

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

REMARKS - DATA BEFORE 1963 PUBLISHED UNDER THE NAME "MICHELE RESERVOIR NEAR ELKWATER"

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 31 34 N
LONG 110 33 07 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
22.6 km²

MICHICHI CREEK AT DRUMHELLER - STATION NO. 05CE020

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	4.10 B	0.035	0.035	0.004E	0	0.011	0	---	---	1
2	---	---	0 B	2.62 B	0.055	0.025	0.004E	0	0.020E	0	---	---	2
3	---	---	0 B	4.87 B	0.045	0.015	0.003	0	0.100E	0	---	---	3
4	---	---	0 B	12.5	0.048	0.015	0.002	0	0.011	0	---	---	4
5	---	---	0 B	8.09	0.055	0.008	0.002	0	0.011	0	---	---	5
6	---	---	0 B	5.71	0.048	0.008	0.001	0	0.040E	0	---	---	6
7	---	---	0.0018	4.19	0.035	0.004	0	0	0.010E	0	---	---	7
8	---	---	0.0028	3.22	0.041	0.002	0	0	0.002	0	---	---	8
9	---	---	0.0028	3.07	0.041	0.004	0.006	0	0.004	0	---	---	9
10	---	---	0.0018	2.58	0.035	2.31	0.148	0	0.003	0	---	---	10
11	---	---	0.0018	1.83	0.025	0.175	0.104	0	0.002	0	---	---	11
12	---	---	0 B	1.46	0.041	0.104	0.041	0	0.003	0	---	---	12
13	---	---	0 B	1.39	0.035	0.234	0.018	0	0.002	0	---	---	13
14	---	---	0 B	0.836	0.018	0.161	0.008	0	0.001	0	---	---	14
15	---	---	0 B	0.782	0.018	0.116	0.004	0	0	0	---	---	15
16	---	---	0 B	0.533	0.018	0.084	0.004	0.035	0	0	---	---	16
17	---	---	0 B	0.381	0.011	0.066	0.003	0.003	0	0	---	---	17
18	---	---	0 B	0.283	0.008	0.048	0.002	0.003	0	0	---	---	18
19	---	---	0 B	0.250	0.025	0.025	0.002	0.002	0	0	---	---	19
20	---	OB	0 B	0.218	0.048	0.015	0.008	0.011	0	0	---	---	20
21	---	OB	0 B	0.188	0.018	0.015	0.003	0.003	0	0	---	---	21
22	---	OB	0 B	0.178	0.018	0.011	0.002	0.002	0	0	---	---	22
23	---	OB	0.0018	0.181	0.018	0.011	0	0.002	0	0	---	---	23
24	---	OB	0.0188	0.128	0.138	0.011	0	0	0	0	---	---	24
25	---	OB	0.0868	0.138	0.074	0.018	0	0	0	0	---	---	25
26	---	OB	0.1148	0.138	0.041	0.011	0	0	0	0	---	---	26
27	---	OB	0.5238	0.114	0.035	0.148	0	0	0	0	---	---	27
28	---	OB	0.8048	0.084	0.048	0.041	0	0.074	0	0	---	---	28
29	---		1.67 B	0.058	0.048	0.011	0	0.008	0	0	---	---	29
30	---		3.54 B	0.041	0.048	0.004	0	0.002	0	0	---	---	30
31	---		4.88 B		0.041		0	0.008		0		---	31
TOTAL	---	---	11.730	60.813	1.165	3.801	0.366	0.183	0.230	0	---	---	TOTAL
MEAN	---	---	0.378	2.03	0.038	0.127	0.012	0.006	0.007	0	---	---	MEAN
MAX	---	---	4.88	12.5	0.138	2.31	0.148	0.074	0.100	0	---	---	MAX
MIN	---	---	0	0.041	0.008	0.003	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.320
MAXIMUM DAILY, 12.5 ON APR 4
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 28 17 N
LONG 112 42 59 W
DRAINAGE AREA, 1 140 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	31.6
FEB	---	AUG	13.2
MAR	1 010	SEP	19.0
APR	5 280	OCT	0
MAY	102	NOV	---
JUN	329	DEC	---

TOTAL DISCHARGE, 6 780 dam³

MIDDLE CREEK NEAR THE SASKATCHEWAN BOUNDARY - STATION NO. 11AB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0028	0.078	0.023	0.261	0.513	0.003	0.002	0.003A	---	---	1
2	---	---	0.0028	0.051	0.018	0.217	0.013	0.003	0.001	0.003A	---	---	2
3	---	---	0.0028	0.038	0.020	0.131	0.008	0.003	0.002	0.002	---	---	3
4	---	---	0.0028	0.032	0.017	0.085	0.006	0.002	0.002	0.002	---	---	4
5	---	---	0.0028	0.027	0.017	0.033	0.007	0.003	0.002	0.002	---	---	5
6	---	---	0.0288	0.031	0.018	0.017	0.007	0.003	0.002	0.002	---	---	6
7	---	---	0.0068	0.024	0.014	0.010	0.008	0.003	0.002	0.002	---	---	7
8	---	---	0.0058	0.013	0.013	0.008	0.008	0.005	0.002	0.002	---	---	8
9	---	---	0.0028	0.009	0.013	0.007	0.005	0.006	0.002	0.002	---	---	9
10	---	---	0.0028	0.013	0.018	0.012	0.007	0.006	0.002	0.002	---	---	10
11	---	---	0.0028	0.025	0.015	0.028	0.008	0.005	0.002	0.002	---	---	11
12	---	---	0.0028	0.040	0.013	0.016	0.007	0.005	0.002	0.002	---	---	12
13	---	---	0.0018	0.058	0.012	0.008	0.006	0.004	0.002	0.002	---	---	13
14	---	---	0.0048	0.052	0.013	0.007	0.011	0.006	0.002	0.002	---	---	14
15	---	---	0.0028	0.057	0.014	0.007	0.012	0.006	0.017	0.002	---	---	15
16	---	---	0.0028	0.123	0.014	0.009	0.008	0.005	0.008	0.003	---	---	16
17	---	---	0.0028	0.180	0.011	0.008	0.007	0.005	0.008	0.002	---	---	17
18	---	---	0.0028	0.130	0.010	0.007	0.006	0.005	0.008	0.002	---	---	18
19	---	---	0.001	0.078	0.008	0.008	0.006	0.003	0.007	0.002	---	---	19
20	---	---	0.001	0.063	0.010	0.006	0.005	0.002	0.004	0.003	---	---	20
21	---	---	0.001	0.041	0.008	0.007	0.004	0.002	0.004	0.002	---	---	21
22	---	0.0028	0.001	0.038	0.007	0.010	0.004	0.001	0.003	0.002	---	---	22
23	---	0.0028	0.001	0.028	0.007	0.013	0.003	0.001	0.003	0.002	---	---	23
24	---	0.0028	0.001	0.212	0.010	0.013	0.004	0.001	0.002	0.002	---	---	24
25	---	0.0028	0.042	0.208	0.017	0.027	0.004	0.002	0.002	0.002	---	---	25
26	---	0.0028	0.028	0.128	0.017	0.018	0.005	0.002	0.002	0.002	---	---	26
27	---	0.0088	0.028	0.081	0.014	0.018	0.003	0.002	0.002	0.002	---	---	27
28	---	0.0028	0.102	0.051	0.027	0.022	0.003	0.002	0.002	0.002	---	---	28
29	---		0.088	0.032	0.038	0.021	0.003E	0.002	0.002	0.003A	---	---	29
30	---		0.107	0.027	0.028	0.016	0.003	0.002		0.003A		---	30
31	---		0.095		0.008		0.003	0.002		0.003E			31
TOTAL	---	---	0.844	1.844	0.484	1.039	0.198	0.100	0.104	0.082	---	---	TOTAL
MEAN	---	---	0.018	0.065	0.015	0.035	0.006	0.003	0.003	0.002	---	---	MEAN
MAX	---	---	0.107	0.212	0.035	0.261	0.013	0.006	0.017	0.002	---	---	MAX
MIN	---	---	0.001	0.009	0.007	0.006	0.003	0.001	0.001	0.002	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.018
MAXIMUM DAILY, 0.261 ON JUN 1
MINIMUM DAILY, 0.0018 ON MAR 13
MAXIMUM INSTANTANEOUS,
0.409 AT 17:25 CST ON MAR 26

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 25 29 N
LONG 110 03 09 W
DRAINAGE AREA, 305 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	17.1
FEB	---	AUG	5.84
MAR	47.0	SEP	5.89
APR	188	OCT	5.36
MAY	40.1	NOV	---
JUN	58.8	DEC	---

TOTAL DISCHARGE, 385 dam³

MIETTE RIVER NEAR JASPER - STATION NO. 07AA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.11 B	1.00 B	0.8858	0.8788	5.48	46.0	32.2	13.0	9.88	6.86	4.38	2.818	1
2	1.08 B	0.9778	1.08 B	0.8828	6.35	52.6	28.5	18.5	9.21	6.11	4.48	2.738	2
3	1.07 B	0.9008	1.20 B	0.8818	6.57	51.6	24.4	24.4	8.48	5.94	4.41	2.738	3
4	1.06 B	0.8508	1.28 B	0.8668	7.42	57.1	28.4	18.7	8.02	5.82	4.41	2.688	4
5	1.04 B	0.8008	1.37 B	0.7208	9.88	66.3	23.3	15.2	8.88	5.98	4.30	2.638	5
6	1.03 B	0.8208	1.21 B	0.7378	10.3	68.7	21.0	13.4	8.72	6.82	4.12	2.448	6
7	1.03 B	0.8308	1.13 B	0.7878	26.4	61.8	22.3	12.4	7.87	6.26	4.12	2.188	7
8	1.03 B	0.8508	1.07 B	0.8538	30.1	53.4	33.5	12.3	7.88	6.04	3.94	2.348	8
9	1.03 B	0.8708	1.04 B	0.9008	31.8	50.1	34.7	11.8	7.35	4.86	4.13	2.338	9
10	1.06 B	0.8008	0.9348	1.01 B	34.0	59.0	38.4	11.0	6.74	6.43	5.00	2.008	10
11	1.06 B	0.9308	0.8388	1.13 B	32.4	58.6	32.3	9.98	6.43	7.16	4.818	1.848	11
12	1.08 B	0.9308	0.8328	1.26 B	22.8	57.8	31.3	9.31	6.17	6.43	4.238	2.238	12
13	1.28 B	0.8408	0.8258	1.34 B	18.8	60.4	30.8	8.93	6.04	6.86	3.848	2.208	13
14	1.36 B	0.9308	0.8088	1.47 B	15.9	64.8	37.8	8.74	5.83	6.50	3.458	2.138	14
15	1.22 B	0.9288	0.8088	1.65 B	17.7	64.4	38.8	12.0	5.80	6.18	3.068	2.128	15
16	1.12 B	0.9188	0.7988	2.05 B	21.9	66.0	31.8	24.1	8.39	4.24	3.208	2.038	16
17	1.10 B	0.8008	0.7188	1.84 B	23.3	44.3	28.8	47.8	7.81	6.21	3.308	1.888	17
18	1.09 B	0.8678	0.7858	1.78 B	20.3	37.1	23.6	28.8	8.98	6.47	3.408	1.838	18
19	1.12 B	0.8618	0.7818	1.85	19.8	33.0	21.8	26.3	8.72	6.88	3.208	1.888	19
20	1.14 B	0.9188	0.7098	1.70	12.8	28.2	23.0	22.3	7.81	6.84	2.788	1.718	20
21	1.03 B	0.8438	0.8858	2.19	10.8	24.8	23.2	27.0	9.08	6.81	2.808	2.078	21
22	0.8488	0.8248	0.8838	2.40	9.49	28.0	20.8	28.1	9.14	6.41	2.378	2.338	22
23	0.8838	0.8188	0.8828	2.20	9.08	38.2	18.2	21.3	8.81	6.18	2.408	2.388	23
24	1.04 B	0.8868	0.8458	2.07	9.38	36.4	14.6	17.6	8.00	6.18	2.478	2.368	24
25	1.32 B	0.8268	0.8198	2.01	8.83	34.6	13.3	17.3	7.45	6.38	2.828	2.338	25
26	1.30 B	0.7868	0.8438	2.04	11.1	33.8	12.8	15.3	7.14	6.80	2.808	2.148	26
27	1.21 B	0.7868	0.8388	1.98	10.8	41.1	13.4	13.6	7.00	6.56	2.708	2.088	27
28	1.14 B	0.7718	0.8278	2.31	9.66	34.6	13.8	11.9	8.64	6.33	2.608	1.988	28
29	1.08 B		0.8938	3.10	12.3	27.8	13.3	11.6	9.38	6.82	2.648	1.888	29
30	1.08 B		0.8068	4.08	17.8	27.2	13.0	11.7	7.04	4.98	2.888	1.838	30
31	1.06 B		0.7068		28.8		13.4	10.7		4.46		1.818	31
TOTAL	34.181	24.808	28.068	48.148	511.13	1 388.7	741.8	533.37	224.89	180.63	104.28	67.08	TOTAL
MEAN	1.10	0.886	0.841	1.80	16.5	46.8	23.9	17.2	7.48	5.83	3.48	2.16	MEAN
MAX	1.36	1.00	1.20	4.08	34.0	66.7	37.8	47.8	9.88	6.86	5.00	2.73	MAX
MIN	0.883	0.771	0.883	0.882	5.48	26.8	12.8	8.74	5.80	4.24	2.37	1.82	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.7
MAXIMUM DAILY, 66.7 ON JUN 8
MINIMUM DAILY, 0.8838 ON MAR 25
MAXIMUM INSTANTANEOUS,
76.2 AT 01:58 MST ON JUN 8

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 51 50 N
LONG 118 06 21 W
DRAINAGE AREA, 830 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 950	JUL	84 100
FEB	2 140	AUG	46 100
MAR	2 250	SEP	19 400
APR	4 180	OCT	16 800
MAY	44 200	NOV	9 010
JUN	121 000	DEC	5 800

TOTAL DISCHARGE, 337 000 dam³

MILK RIVER AT EASTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO. 11AA031

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	29.2	18.3	22.1	25.6	18.8	18.7	18.8	---	---	1
2	---	---	0 B	22.6	23.6	23.3	25.7	18.6	18.0	18.8	---	---	2
3	---	---	0 B	18.7	22.6	25.0	22.8	18.3	18.6	18.4	---	---	3
4	---	---	0 B	13.7	22.0	29.2	22.3	18.6	18.4	18.2	---	---	4
5	---	---	0 B	13.4	21.0	28.1	22.0	18.2	17.6	18.2	---	---	5
6	---	---	0.0875	16.2	18.7	27.8	22.1	18.3	17.8	17.4	---	---	6
7	---	---	0.1428	20.4	18.8	26.7	21.3	18.8	17.3	17.8	---	---	7
8	---	---	0.8868	23.4	18.8	27.2	20.8	18.4	17.8	18.0	---	---	8
9	---	---	3.11 B	24.8	20.5	28.0	20.2	18.8	17.8	17.2	---	---	9
10	---	---	4.28 B	28.7	23.6	28.8	20.0	18.8	17.8	18.8	---	---	10
11	---	---	3.40 B	32.0	28.3	32.8	20.2	18.7	17.1	18.7	---	---	11
12	---	---	3.27 B	28.8	30.8	38.6	21.0	18.8	17.2	18.8	---	---	12
13	---	---	1.13 B	23.0	28.8	84.0	21.7	14.2	17.1	18.8	---	---	13
14	---	---	0.4288	21.8	24.6	87.6	23.2	14.2	18.8	17.4	---	---	14
15	---	---	0.3408	21.8	21.8	44.6	24.3	15.8	18.8	17.4	---	---	15
16	---	---	0.2838	23.2	21.1	38.0	28.2	17.8	17.3	17.2	---	---	16
17	---	---	0.4288	28.0	21.8	30.8	30.8	18.1	17.2	17.2	---	---	17
18	---	---	0.8898	26.2	22.7	27.7	24.8	18.8	18.2	18.8	---	---	18
19	---	---	1.42 B	24.4	22.1	28.2	23.7	14.7	18.8	17.0	---	---	19
20	---	---	2.27 B	23.8	22.8	28.4	22.8	13.8	18.8	16.8	---	---	20
21	---	---	3.40 B	18.2	20.2	24.2	21.7	14.2	18.4	16.2	---	---	21
22	---	---	5.66 B	13.8	21.0	22.8	20.6	14.8	18.8	16.8	---	---	22
23	---	---	8.81 B	10.4	21.7	20.8	19.2	14.2	17.8	16.4	---	---	23
24	---	---	10.8 B	10.2	21.8	21.4	20.1	14.2	18.2	15.8	---	---	24
25	---	---	28.8 B	10.7	24.2	24.7	17.8	18.2	18.8	16.0	---	---	25
26	---	---	70.8 B	17.4	22.8	23.8	18.4	18.2	18.2	15.0	---	---	26
27	---	---	87.7	24.8	22.1	22.7	18.8	15.7	17.8	14.8	---	---	27
28	---	---	82.0	18.8	27.4	24.4	20.0	17.8	17.8	13.2	---	---	28
29	---		81.7	16.8	32.2	26.8	17.1	18.2	17.7	10.7	---	---	29
30	---		87.8	16.0	30.2	28.2	16.8	21.1	18.0	8.88	---	---	30
31	---		38.8		24.7		16.8	20.2		7.88	---	---	31
TOTAL	---	---	437.224	613.7	723.0	863.8	666.0	497.1	530.1	488.81	---	---	TOTAL
MEAN	---	---	14.1	20.5	23.3	28.8	21.5	16.0	17.8	15.8	---	---	MEAN
MAX	---	---	70.8	32.0	32.2	84.0	30.8	21.1	18.8	18.8	---	---	MAX
MIN	---	---	0	10.2	18.8	20.8	16.8	13.8	16.8	7.88	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 19.8
MAXIMUM DAILY, 70.88 ON MAR 26
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
113 AT 07:00 MST ON MAR 26

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 58 03 N
LONG 110 26 10 W
DRAINAGE AREA, 6 480 km²

B - ICE CONDITIONS

REGULATED SINCE 1917

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	67 800
FEB	---	AUG	42 800
MAR	37 800	SEP	46 300
APR	63 000	OCT	42 800
MAY	62 800	NOV	---
JUN	78 400	DEC	---

TOTAL DISCHARGE, 419 000 dam³

MILK RIVER AT MILK RIVER - STATION NO. 11AA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.3288	0.0108	0.0438	16.8	21.7	26.1	21.4	18.1	18.6	17.8	1.838	3.078	1
2	0.3238	0.0108	0.0418	16.8	21.8	27.8	20.8	18.0	18.2	17.8	2.488	3.288	2
3	0.1878	0.0108	0.0438	17.1	20.3	28.7	20.7	17.8	18.2	17.8	2.78	3.288	3
4	0.1888	0.0408	0.0468	18.8	18.4	24.1	20.8	17.8	17.7	17.8	2.70	3.078	4
5	0.1788	0.0888	0.0878	20.8	17.8	24.3	20.4	17.4	17.3	18.2	2.81	1.888	5
6	0.1328	0.0808	0.0898	23.7	18.8	24.1	20.2	17.8	17.3	18.2	2.28	1.878	6
7	0.0308	0.0808	0.0908	24.8	17.8	22.8	20.1	17.8	17.3	18.2	2.08	2.188	7
8	0.0108	0.0808	0.2858	26.8	18.1	21.8	19.8	17.4	17.1	18.2	1.488	2.288	8
9	0.0108	0.0708	0.8818	31.8	20.7	21.4	18.7	17.8	17.2	17.8	1.78	1.788	9
10	0.0108	0.0588	1.84 B	28.8	22.2	23.8	18.8	17.2	17.3	18.1	2.10	1.478	10
11	0.0188	0.0838	2.41 B	23.1	22.2	44.8	18.7	17.1	17.2	18.2	2.24	1.818	11
12	0.0208	0.0428	2.33 B	22.2	21.7	86.8	19.8A	17.1	17.2	18.1	2.878	1.828	12
13	0.0308	0.0788	2.70 B	22.1	21.8	43.8	18.4A	17.3	17.8	18.8	2.488	1.828	13
14	0.0408	0.0918	7.43 B	22.8	21.8	30.8	20.8A	17.3	17.8	18.2	2.808	1.448	14
15	0.0808	0.0878	7.88 B	23.2	22.1	28.3	20.0A	17.3	17.8	18.2	2.288	1.488	15
16	0.0808	0.0828	4.88 B	23.8	21.8	26.2	23.1A	17.3	17.2	17.8	2.388	1.488	16
17	0.0708	0.0858	5.21 B	24.8	21.8	23.8	22.1A	18.8	17.4	17.8	3.088	1.488	17
18	0.0408	0.0328	8.89 B	23.7	21.3	23.8	20.8A	16.8	18.1	17.7	3.438	1.478	18
19	0.0488	0.0328	10.3 B	20.8	21.1	22.3	20.4A	17.1	18.8	17.4	3.808	1.488	19
20	0.0808	0.0818	11.8 B	18.8	21.3	21.7	19.7A	17.3	17.8	17.3	3.728	1.448	20
21	0.0888	0.0808	8.88 B	13.8	20.3	21.8	19.2A	17.8	18.1	17.4	3.428	1.418	21
22	0.0888	0.0358	8.22 B	11.8	20.2	21.7	19.1A	18.4	18.1	17.8	3.408	1.388	22
23	0.0878	0.0408	11.8 B	13.8	20.4	21.8	19.2A	18.7	17.8	17.3	2.948	1.408	23
24	0.0878	0.1108	14.3 B	15.7	20.8	21.8	18.7A	17.8	17.8	18.8	2.408	1.388	24
25	0.1388	0.1008	17.7 B	18.8	20.8	23.8	18.7A	18.7	17.8	18.4	2.288	1.888	25
26	0.1808	0.0808	20.3 B	17.8	20.8	23.8	18.2A	18.8	17.8	11.8	2.318	1.888	26
27	0.1708	0.0308	30.8 B	17.8	20.7	26.8	18.8	20.8	17.8	8.87	2.128	1.878	27
28	0.1808	0.0388	38.8	18.8	23.7	24.2	18.8	21.8	17.8	7.81	2.248	1.788	28
29	0.1708		33.2	16.8	23.8	22.8	18.7	18.3	17.8	4.88	2.118	1.888	29
30	0.1808		28.8	20.8	23.2	22.1	18.8	18.8	17.8	3.88	2.148	1.808	30
31	0.1388		20.8		24.3		18.1	18.7		3.018		1.888	31
TOTAL	3.201	1.731	303.220	607.7	680.3	784.8	618.8	551.8	530.2	484.11	78.24	53.08	TOTAL
MEAN	0.103	0.062	9.78	20.3	21.8	26.1	20.8	17.8	17.7	15.8	2.84	1.71	MEAN
MAX	0.328	0.118	38.8	31.8	24.3	86.8	23.1	21.8	18.8	18.3	3.80	3.28	MAX
MIN	0.818	0.818	0.841	11.8	18.8	21.4	18.1	16.7	17.1	3.81	1.48	1.38	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 13.8
MAXIMUM DAILY, 86.8 ON JUN 13
MINIMUM DAILY, 0.818 ON JAN 8
MAXIMUM INSTANTANEOUS,
88.8 AT 18:48 MST ON MAR 27

SUMMARY FOR THE YEAR 1989

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 08 37 N
LONG 112 04 44 W
DRAINAGE AREA, 2 730 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1918

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	277	JUL	53 400
FEB	150	AUG	47 800
MAR	26 200	SEP	45 800
APR	52 500	OCT	41 800
MAY	58 200	NOV	8 850
JUN	67 700	DEC	4 580

TOTAL DISCHARGE, 403 000 dam³

MILK RIVER AT WESTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO. 11AA025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	3.838	3.82	8.81	1.88	0.875	1.81	0.774	0.8788	---	1
2	---	---	0 B	3.808	3.63	7.43	1.74	0.882	1.37	0.781	---	---	2
3	---	---	0 B	3.808	3.48	8.84	1.58	0.871	1.18	0.813	---	---	3
4	---	---	0 B	3.088	3.83	8.13	1.40	0.888	1.04	1.00	---	---	4
5	---	---	0 B	3.188	3.26	8.82	1.32	0.708	0.932	1.05	---	---	5
6	---	---	0 B	3.37	3.17	4.81	1.15	0.708	0.878	1.02	---	---	6
7	---	---	0 B	5.38	3.13	3.58	1.04 A	0.890	0.880	0.887	---	---	7
8	---	---	0 B	12.7	3.40	2.84	0.880A	0.873	0.832	0.848	---	---	8
9	---	---	0 B	6.80	4.13	2.87	0.784A	0.848	1.08	0.838	---	---	9
10	---	---	0 B	5.08	4.23	4.08	0.723A	0.802	1.14	0.821	---	---	10
11	---	---	0.1008	3.84	3.40	32.7	0.773A	0.477	1.21	0.808	---	---	11
12	---	---	0.2008	3.08	3.02	28.8	0.783A	0.471	1.24	0.853	---	---	12
13	---	---	0.4708	3.23	2.81	16.8	1.08 A	0.484	1.30	0.840	---	---	13
14	---	---	2.08 B	3.88	2.57	9.17	1.48 A	0.428	1.15	1.00	---	---	14
15	---	---	1.18 B	4.84	2.34	8.74	0.86 A	0.408	0.978	1.04	---	---	15
16	---	---	0.8618	5.24	2.11	8.44	4.88 A	0.422	0.848	0.888	---	---	16
17	---	---	0.7088	5.80	1.88	4.84	3.38 A	0.808	0.788	1.00	---	---	17
18	---	---	1.01 B	4.32	1.78	3.87	2.80 A	0.841	0.830	1.04	---	---	18
19	---	---	1.14 B	4.04	1.70	3.34	1.88 A	0.844	0.838	1.03	---	---	19
20	---	---	1.38 B	3.84	1.82	2.88	1.47 A	0.838	1.70	0.878	---	---	20
21	---	---	1.48 B	4.18	1.65	2.82	1.27 A	0.821	1.78	0.878	---	---	21
22	---	---	2.68 B	4.88	1.48	2.48	1.12 A	0.482	1.42	0.888	---	---	22
23	---	---	4.88 B	4.98	1.43	2.48	0.888A	0.418	1.20	0.880	---	---	23
24	---	---	5.73 B	4.82	1.38	3.00	0.825A	0.407	1.08	0.828	---	---	24
25	---	---	6.50 B	4.17	1.43	3.71	0.772A	0.822	0.988	0.880	---	---	25
26	---	---	7.88 B	3.80	1.47	4.83	0.700A	2.37	0.887	0.885	---	---	26
27	---	---	10.3 B	4.17	1.58	5.22	0.723	5.38	0.844	0.885	---	---	27
28	---	---	10.8 B	4.38	2.70	3.75	1.03	3.88	0.787	0.880	---	---	28
29	---		8.48 B	4.28	2.81	2.82	0.847	2.85	0.788	0.7878			29
30	---		6.81 B	4.20	3.87	2.33	0.852	2.38	0.777	0.8178			30
31	---		4.38 B		4.84		0.898	1.88		0.4818			31
TOTAL	---	---	80.177	133.11	83.88	188.88	45.881	31.878	32.822	28.078	---	---	TOTAL
MEAN	---	---	2.88	4.48	2.70	6.29	1.48	1.03	1.08	0.908	---	---	MEAN
MAX	---	---	10.8	12.7	4.84	28.8	8.88	8.38	1.78	1.08	---	---	MAX
MIN	---	---	0	2.88	1.38	2.32	0.888	0.408	0.777	0.481	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.84
MAXIMUM DAILY, 28.8 ON JUN 12
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
33.1 AT 16:35 MST ON JUN 11

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 00 27 N
LONG 112 32 42 W

DRAINAGE AREA, 1 050 km²

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 870
FEB	---	AUG	2 780
MAR	6 830	SEP	2 820
APR	11 400	OCT	2 430
MAY	7 220	NOV	---
JUN	18 300	DEC	---

TOTAL DISCHARGE, 83 800 dam³

MILK RIVER RIDGE RESERVOIR - STATION NO. 05AF030

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1018.081	1018.285	1020.330	1022.877	1022.815	1022.488	1022.404	1020.881	1021.122A	---	1
2	---	---	1018.082	1018.288	1020.388	1023.887	1022.800	1022.473	1022.418	1020.844	---	---	2
3	---	---	1018.083	1018.288	1020.813	1023.004	1022.880	1022.488	1022.428	1020.714	---	---	3
4	---	---	1018.088	1018.187	1020.883	1023.021	1022.842	1022.448	1022.447	1020.778	---	---	4
5	---	---	1018.078	1018.088	1020.814	1023.034	1022.488	1022.488	1022.483	1020.811	---	---	5
6	---	---	1018.082	1017.384	1020.888	1022.888	1022.488	1022.480	1022.474	1020.788	---	---	6
7	---	---	1018.084	1017.883	1021.118	1022.833	1022.478	1022.440	1022.478	1020.778	---	---	7
8	---	---	1018.088	1017.538	1021.348	1022.871	1022.488	1022.434	1022.480	1020.788	---	---	8
9	---	---	1018.087	1017.442	1021.382	1022.817	1022.448	1022.418	1022.402	1020.788	---	---	9
10	---	---	1018.104	1017.388	1021.823	1022.788	1022.438	1022.388	1022.348	1020.883	---	---	10
11	---	---	1018.088	1017.378	1021.870	1023.883	1022.440	1022.388	1022.288	1021.014	---	---	11
12	---	---	1018.104	1017.407	1021.842	1023.013	1022.440	1022.324	1022.231	1021.080	---	---	12
13	---	---	1018.107	1017.487	1022.008	1023.007	1022.443	1022.288	1022.188	1021.113	---	---	13
14	---	---	1018.113	1017.873	1022.104	1022.886	1022.488	1022.242	1022.088	1021.118	---	---	14
15	---	---	1018.122	1017.718	1022.181	1022.881	1022.818	1022.208	1022.018	1021.132	---	---	15
16	---	---	1018.124	1017.872	1022.231	1022.817	1022.812	1022.183	1021.837	1021.123	---	---	16
17	---	---	1018.135	1018.021	1022.240	1022.880	1022.488	1022.120	1021.838	1021.138	---	---	17
18	---	---	1018.128	1018.130	1022.226	1022.810	1022.484	1022.068	1021.788	1021.132	---	---	18
19	---	---	1018.134	1018.300	1022.208	1022.744	1022.482	1022.083	1021.888	1021.131	---	---	19
20	---	---	1018.138	1018.501	1022.280	1022.883	1022.488	1022.041	1021.808	1021.138	---	---	20
21	---	---	1018.148	1018.700	1022.304	1022.880	1022.482	1022.011	1021.828	1021.138	---	---	21
22	---	---	1018.161	1018.887	1022.348	1022.828	1022.488	1021.972	1021.437	1021.133	---	---	22
23	---	---	1018.188	1019.081	1022.388	1022.881	1022.488	1021.848	1021.380	1021.137	---	---	23
24	---	---	1018.182	1019.218	1022.371	1022.488	1022.802	1021.888	1021.284	1021.131	---	---	24
25	---	---	1018.174	1018.378	1022.381	1022.828	1022.810	1022.014	1021.181	1021.138	---	---	25
26	---	---	1018.182	1018.828	1022.424	1022.888	1022.828	1022.084	1021.084	1021.128	---	---	26
27	---	1018.072A	1018.203	1018.888	1022.482	1022.888	1022.833	1022.104	1020.981	1021.123	---	---	27
28	---	1018.087	1018.328	1018.788	1022.588	1022.881	1022.831	1022.188	1020.838	1021.118	---	---	28
29	---		1018.242	1018.818	1022.734	1022.831	1022.823	1022.288	1020.884	1021.118	---	---	29
30	---		1018.288	1020.073	1022.888	1022.843	1022.818	1022.314	1020.878	1021.113	---	---	30
31	---		1018.283		1022.883		1022.803	1022.370		1021.110		---	31
MEAN	---	---	1018.133	1018.388	1021.887	1022.800	1022.803	1022.243	1021.828	1020.888	---	---	MEAN
MAX	---	---	1018.283	1020.073	1022.883	1023.034	1022.818	1022.488	1022.475	1021.127	---	---	MAX
MIN	---	---	1018.081	1017.378	1020.330	1022.481	1022.438	1021.848	1020.878	1020.881	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 1023.034 ON JUN 5

MAXIMUM INSTANTANEOUS,
1023.044 AT 14:45 MST ON JUN 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 23 00 N
LONG 112 36 39 W

A - MANUAL GAUGE

REGULATED

DRAINAGE AREA,
180 km²

WATER LEVELS ARE REFERRED TO PRAIRIE FARM REHABILITATION ADMINISTRATION DATUM
APPLY 0.741 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

MINERS COULEE NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA029

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.004	0.028	0.233	0.004	0	0	0	---	---	1
2	---	---	0 B	0.001	0.018	0.174	0.001	0	0	0	---	---	2
3	---	---	0 B	0.001	0.012	0.251	0.001	0	0	0	---	---	3
4	---	---	0 B	0.001	0.009	0.286	0	0	0	0	---	---	4
5	---	---	0 B	0.001	0.007	0.232	0	0	0	0	---	---	5
6	---	---	0 B	0.001	0.008	0.181	0	0	0	0	---	---	6
7	---	---	0 B	0.001	0.005	0.113	0	0	0	0	---	---	7
8	---	---	0 B	0.001	0.003	0.084	0	0	0	0	---	---	8
9	---	---	0 B	0.001	0.002	0.067	0	0	0	0	---	---	9
10	---	---	0 B	0.001	0.001	0.102	0	0	0	0	---	---	10
11	---	---	0 B	0.001	0.001	0.241	0	0	0	0	---	---	11
12	---	---	0 B	0.001	0.001	0.851	0	0	0	0	---	---	12
13	---	---	0 B	0.001	0.001	0.392	0	0	0	0	---	---	13
14	---	---	0 B	0.001	0.001	0.195	0	0	0	0	---	---	14
15	---	---	0.0018	0.001	0.001	0.128	0	0	0	0	---	---	15
16	---	---	0.0018	0.023	0.001	0.082	0	0	0	0	---	---	16
17	---	---	0.0018	0.058	0.001	0.086	0	0	0	0	---	---	17
18	---	---	0.0018	0.030	0.001	0.044	0	0	0	0	---	---	18
19	---	---	0.0018	0.014	0.001	0.028	0	0	0	0	---	---	19
20	---	---	0.0018	0.010	0.001	0.017	0	0	0	0	---	---	20
21	---	---	0.0018	0.014	0.001	0.011	0	0	0	0	---	---	21
22	---	---	0.0028	0.030	0.001	0.008	0	0	0	0	---	---	22
23	---	---	0.0028	0.036	0.001	0.007	0	0	0	0	---	---	23
24	---	---	0.0028	0.021	0	0.006	0	0	0	0	---	---	24
25	---	---	0.002	0.013	0.001	0.026	0	0	0	0	---	---	25
26	---	---	0.001	0.013	0	0.044	0	0	0	0	---	---	26
27	---	---	0.001	0.020	0	0.057	0	0	0	0	---	---	27
28	---	0B	0.002	0.041	0.008	0.028	0	0	0	0	---	---	28
29	---		0.048	0.041	0.008	0.011	0	0	0	0	---	---	29
30	---		0.070	0.035	0.021	0.006	0	0	0	0	---	---	30
31	---		0.012		0.052		0	0		0A		---	31
TOTAL	---	---	0.148	0.415	0.192	3.700	0.008	0	0	0	---	---	TOTAL
MEAN	---	---	0.005	0.014	0.006	0.123	0	0	0	0	---	---	MEAN
MAX	---	---	0.070	0.058	0.052	0.851	0.004	0	0	0	---	---	MAX
MIN	---	---	0	0.001	0	0.006	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.018
MAXIMUM DAILY, 0.851 ON JUN 12
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.884 AT 16:00 MST ON JUN 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 01 05 N
LONG 111 24 10 W
DRAINAGE AREA, 109 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.82
FEB	---	AUG	0
MAR	12.8	SEP	0
APR	35.8	OCT	0
MAY	16.6	NOV	---
JUN	320	DEC	---

TOTAL DISCHARGE, 386 dam³

MINISTIK LAKE NEAR NEW SAREPTA - STATION NO. 05EB013

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	788.981	788.915	---	787.000	788.883	---	---	1
2	---	---	---	---	---	788.947	788.912	---	787.007	788.886	788.854A	---	2
3	---	---	---	---	---	788.930	788.908	---	787.018	788.884	---	---	3
4	---	---	---	---	---	788.934	788.908	---	787.013	788.887	---	---	4
5	---	---	---	---	---	788.928	788.908	---	787.011	788.884	---	---	5
6	---	---	788.814A	---	---	788.928	788.904	---	787.011	788.883	---	---	6
7	---	---	---	788.851A	---	788.920	788.903	---	787.014	788.882	---	---	7
8	---	---	---	---	---	788.914	788.928	---	787.007	788.852	---	---	8
9	---	---	---	---	788.893A	788.914	788.940	---	787.005	788.846	---	---	9
10	---	---	---	---	788.881	788.928	787.002	---	787.001	788.853	---	---	10
11	---	---	---	---	788.893	788.927	787.052	---	786.995	788.853	---	---	11
12	---	---	---	---	788.894	788.922	787.084	---	786.988	788.863	---	---	12
13	---	---	---	---	788.893	788.908	787.070	---	786.988	788.863	---	---	13
14	---	---	---	---	788.890	788.901	787.067	---	786.998	788.880	---	---	14
15	---	---	---	---	788.888	788.914	787.080	---	786.994	788.883	---	---	15
16	---	---	---	---	788.889	788.914	787.082	---	786.993	788.868	---	---	16
17	---	---	---	---	788.898	788.913	787.081	---	786.991	788.850	---	---	17
18	---	---	---	---	788.894	788.909	787.068	---	786.988	788.852	---	---	18
19	---	---	---	---	788.937	788.907	787.049	---	786.984	788.858	---	---	19
20	---	---	---	---	788.948	788.908	787.044	---	786.981	788.858	---	---	20
21	---	---	---	---	788.952	788.908	787.041	---	786.982	788.883	---	---	21
22	---	---	---	---	788.953	788.908	787.038	---	786.978	788.886	---	---	22
23	---	---	---	---	788.952	788.898	787.031	788.988A	786.974	788.884	---	---	23
24	---	---	---	---	788.952	788.898	787.031	788.985	786.974	788.885	---	---	24
25	---	---	---	---	788.964	788.897	787.024	788.983	786.968	788.887	---	---	25
26	---	---	---	---	788.982	788.889	787.018	788.981	786.970	788.858	---	---	26
27	---	---	---	---	788.981	788.907	787.018	788.888	786.972	788.858	---	---	27
28	---	---	---	---	788.980	788.913	787.041	788.888	786.988	788.887	---	---	28
29	---		---	---	788.957	788.913	787.038	788.889	786.993	788.884	---	---	29
30	---		---	---	788.955	788.918	787.038A	787.000	786.973	788.880	---	---	30
31	---		---		788.951		---	787.003		788.888		---	31
MEAN	---	---	---	---	---	788.918	---	---	786.990	788.886	---	---	MEAN
MAX	---	---	---	---	---	788.951	---	---	787.018	788.903	---	---	MAX
MIN	---	---	---	---	---	788.889	---	---	786.963	788.848	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 10 47 E
LONG 113 03 30 W

A - MANUAL GAUGE

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

DRAINAGE AREA,
60.3 km²

MIQUELON LAKE AT PROVINCIAL PARK - STATION NO. 05EB014

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	782.636	---	---	---	782.661	782.717	---	---	1
2	---	---	---	---	---	782.670	782.666	782.660	782.661	782.714	782.681	---	2
3	---	---	---	---	782.636	---	782.666	---	---	---	---	---	3
4	---	---	---	---	782.636	782.666	782.666	782.660	---	---	---	---	4
5	---	---	---	---	782.636	---	---	782.660	---	782.679	---	---	5
6	---	---	782.683	---	---	---	---	---	782.683	782.679	---	---	6
7	---	---	---	782.606	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	782.683	---	---	---	8
9	---	---	---	---	782.636	782.661	---	782.666	782.683	782.677	---	---	9
10	---	---	---	---	---	782.661	---	---	---	---	---	---	10
11	---	---	---	---	---	782.661	---	782.666	---	---	---	---	11
12	---	---	---	---	782.634	---	---	782.666	---	---	---	---	12
13	---	---	---	---	782.634	---	782.672	---	782.616	782.677	---	---	13
14	---	---	---	---	782.634	782.666	782.676	---	782.616	782.677	---	---	14
15	---	---	---	---	782.633	782.643	782.676	782.661	782.616	---	---	---	15
16	---	---	---	---	---	---	---	782.661	---	782.671	---	---	16
17	---	---	---	---	---	782.661	---	---	---	---	---	---	17
18	---	---	---	---	---	782.648	---	782.661	---	782.671	---	---	18
19	---	---	---	---	---	---	782.676	782.661	---	782.671	---	---	19
20	---	---	---	---	782.637	782.648	782.660	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	782.684	782.671	---	---	21
22	---	---	---	---	---	782.648	782.666	---	782.684	---	---	---	22
23	---	---	---	---	---	---	---	782.638	782.684	782.671	---	---	23
24	---	---	---	---	782.676	---	---	---	---	---	---	---	24
25	---	---	---	---	782.676	782.660	782.663	782.660	---	782.688	---	---	25
26	---	---	---	---	---	---	782.667	782.660	---	---	---	---	26
27	---	---	---	---	782.672	---	---	---	---	---	---	---	27
28	---	---	---	---	782.672	782.662	782.663	---	782.687	782.688	---	---	28
29	---	---	---	---	---	782.661	782.663	---	782.687	---	---	---	29
30	---	---	---	---	782.670	782.666	---	---	782.687	---	---	---	30
31	---	---	---	---	---	---	---	782.661	---	---	---	---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 16 47 N
LONG 113 04 24 W

DRAINAGE AREA, 38.3 km²

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

MISTAYA RIVER NEAR SASKATCHEWAN CROSSING - STATION NO. 05DA007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.3888	0.9288	0.9448	0.8708	2.728	5.87	17.0	21.7	8.73	5.28	2.108	1.18 B	1
2	0.8208	0.7808	0.9288	0.8628	3.60	7.70	18.0	27.2	8.83	4.83	1.888	1.28 B	2
3	0.8008	0.8408	0.9128	0.8588	3.88	8.43	14.2	28.6	8.34	4.38	1.888	1.41 B	3
4	0.4828	0.8888	0.8888	0.8588	3.80	11.2	13.8	21.3	8.02	3.96	1.808	1.33 B	4
5	0.4678	0.8818	0.8908	0.8608	4.31	14.1	13.8	18.8	8.18	3.78	1.888	1.14 B	5
6	0.8388	0.8288	0.4838	0.8888	8.18	18.7	13.7	18.3	7.78	3.68	1.678	1.01 B	6
7	0.8608	0.8208	0.8188	0.8718	8.85	18.8	14.8	18.8	7.37	3.36	1.888	1.10 B	7
8	0.8258	0.8188	0.8238	0.8708	8.18	18.6	17.7	20.8	7.10	3.18	1.878	0.8868	8
9	0.8888	0.8218	0.8448	0.8638	8.88	18.7	17.8	21.8	6.74	3.04	2.078	0.8808	9
10	0.8888	0.8288	0.8628	0.8628	9.41	20.0	17.4	22.3	8.38	3.43	2.208	0.8608	10
11	0.7448	0.8198	0.8878	0.8588	9.14	18.8	18.5	20.7	8.88	3.82	2.448	0.8488	11
12	0.7838	0.8208	0.8888	0.8878	7.88	21.0	18.7	19.4	8.87	3.88	2.408	0.8888	12
13	0.8208	0.8198	0.8888	0.8718	8.88	23.0	20.8	18.8	8.48	3.88	2.088	0.8528	13
14	0.8448	0.8188	0.8828	0.8728	8.48	28.7	22.1	18.7	8.80	3.81	2.188	0.8828	14
15	0.8418	0.8178	0.8888	0.7288	8.28	33.8	24.8	18.2	8.88	3.24	2.288	0.8888	15
16	0.8528	0.8118	0.8818	0.7728	8.24	32.8	28.8	17.8	8.82	2.88	2.188	0.8518	16
17	0.8728	0.8138	0.8768	0.7888	8.25	27.1	27.8	18.8	8.88	2.78	2.008	0.8388	17
18	0.8888	0.8308	0.8678	0.7768	8.20	21.3	24.3	18.8	8.88	2.71	1.818	0.8528	18
19	0.8228	0.8398	0.8888	0.8048	8.73	18.7	22.8	18.7	8.28	2.81	1.728	0.8188	19
20	0.8378	0.8468	0.8868	0.8838	8.20	17.3	23.8	17.1	8.81	2.88	1.838	0.8888	20
21	0.8388	0.8888	0.8508	0.8108	4.78	14.3	28.8	18.8	4.87	2.88	2.078	0.8728	21
22	0.8828	0.8888	0.8488	0.8588	4.42	13.8	28.8	18.8	4.33	2.88	2.218	0.8628	22
23	0.8718	0.8718	0.8528	0.8858	4.28	13.2	21.8	17.7	4.22	2.87	2.138	0.8838	23
24	0.8088	0.8748	0.8488	1.13 B	4.87	13.1	18.4	16.3	4.38	2.82	1.978	0.8908	24
25	0.8868	0.8788	0.8488	1.10 B	4.48	13.8	16.5	13.8	4.84	2.48	1.788	0.8188	25
26	0.8888	0.8788	0.8618	1.00 B	4.23	14.1	17.8	12.8	4.88	2.42	1.828	0.8438	26
27	0.8828	0.8728	0.8858	0.8908	4.03	15.3	16.1	12.0	4.88	2.32	1.888	0.8578	27
28	0.8888	0.8838	0.8788	0.8888	3.88	14.2	30.1	11.4	5.08	2.28	1.788	0.8438	28
29	0.8338		0.8888	1.53 B	3.63	12.8	30.8	10.8	5.18	2.16	1.448	0.8338	29
30	0.8508		0.8868	2.08 B	4.08	13.8	28.8	9.78	5.40	2.08	1.088	0.8208	30
31	0.8578		0.8788		4.81		21.2	9.38		1.988		0.8088	31
TOTAL	24.183	15.888	17.208	24.488	170.08	521.78	620.7	550.81	180.28	88.41	58.83	30.748	TOTAL
MEAN	0.780	0.568	0.555	0.818	5.48	17.4	20.0	17.8	6.01	3.11	1.88	0.883	MEAN
MAX	0.883	0.928	0.888	2.08	8.41	33.8	30.8	27.3	8.73	5.28	2.44	1.41	MAX
MIN	0.388	0.811	0.488	0.882	2.72	5.87	13.8	9.38	4.33	1.88	1.08	0.883	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.33
MAXIMUM DAILY, 33.8 ON JUN 15
MINIMUM DAILY, 0.3888 ON JAN 1
MAXIMUM INSTANTANEOUS, 34.8 AT 17:30 MST ON JUN 15

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 53 04 N
LONG 116 41 17 W
DRAINAGE AREA, 249 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 080	JUL	53 500
FEB	1 370	AUG	47 500
MAR	1 480	SEP	15 600
APR	2 110	OCT	8 330
MAY	14 700	NOV	5 070
JUN	45 100	DEC	2 650

TOTAL DISCHARGE, 200 000 dam³

MITCHELL RESERVOIR NEAR ELKWATER - STATION NO. 11AB099

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	32.856	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	33.283	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	33.031	32.845	---	---	5
6	---	---	---	33.187	---	---	33.248	---	---	---	---	---	6
7	---	---	33.031	33.180E	33.368E	33.341	33.243E	33.102E	33.027	32.837E	---	---	7
8	---	---	---	---	---	---	---	33.097	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	33.031	33.247E	33.238	33.318E	33.182E	33.068	32.948E	32.810	---	---	17
18	---	---	---	33.286	---	---	33.188	---	32.841	---	---	---	18
19	---	---	---	---	---	33.318	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	33.012	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	33.306	---	---	---	---	---	---	---	---	24
25	---	33.018E	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	33.302E	---	33.303	---	---	33.875E	---	---	---	27
28	---	33.021E	33.060E	---	33.247E	---	33.163E	33.045E	---	33.774E	---	---	28
29	---		33.063	---	33.258	---	---	---	---	---	---	---	29
30	---		---	33.298E	---	33.288E	---	---	33.863E	33.788	---	---	30
31	---		33.068E		33.274E		33.14E	33.039E		33.788E		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 33.341 ON JUN 7

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 38 38 N
LONG 110 05 24 W

E - ESTIMATED

REGULATED

DRAINAGE AREA, 80.3 km²

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

MONITOR CREEK NEAR CONSORT - STATION NO. 05EA011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0	0	0	0	0	0	---	---	1
2	---	---	0B	0 B	0	0	0	0	0	0	---	---	2
3	---	---	0B	0.0288	0	0	0	0	0	0	---	---	3
4	---	---	0B	0.0418	0	0	0	0	0	0	---	---	4
5	---	---	0B	0.0338	0	0	0	0	0	0	---	---	5
6	---	---	0B	0.0368	0	0	0	0	0	0	---	---	6
7	---	---	0B	0.0298	0	0	0	0	0	0	---	---	7
8	---	---	0B	0.023	0	0	0	0	0	0	---	---	8
9	---	---	0B	0.018	0	0	0	0	0	0	---	---	9
10	---	---	0B	0.014	0	0	0	0	0	0	---	---	10
11	---	---	0B	0.014	0	0	0	0	0	0	---	---	11
12	---	---	0B	0.013	0	0	0	0	0	0	---	---	12
13	---	---	0B	0.013	0	0	0	0	0	0	---	---	13
14	---	---	0B	0.010	0	0	0	0	0	0	---	---	14
15	---	---	0B	0.007	0	0	0	0	0	0	---	---	15
16	---	---	0B	0.002	0	0	0	0	0	0	---	---	16
17	---	---	0B	0	0	0	0	0	0	0	---	---	17
18	---	---	0B	0	0	0	0	0	0	0	---	---	18
19	---	---	0B	0	0	0	0	0	0	0	---	---	19
20	---	---	0B	0	0	0	0	0	0	0	---	---	20
21	---	0B	0B	0	0	0	0	0	0	0	---	---	21
22	---	0B	0B	0	0	0	0	0	0	0	---	---	22
23	---	0B	0B	0	0	0	0	0	0	0	---	---	23
24	---	0B	0B	0	0	0	0	0	0	0	---	---	24
25	---	0B	0B	0	0	0	0	0	0	0	---	---	25
26	---	0B	0B	0	0	0	0	0	0	0	---	---	26
27	---	0B	0B	0	0	0	0	0	0	0	---	---	27
28	---	0B	0B	0	0	0	0	0	0	0	---	---	28
29	---		0B	0	0	0	0	0	0	0	---	---	29
30	---		0B	0	0	0	0	0	0	0	---	---	30
31	---		0B		0		0	0		0		---	31
TOTAL	---	---	0	0.276	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.009	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.041	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.001
MAXIMUM DAILY, 0.041B ON APR 4
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 52 28 N
LONG 110 46 37 W
DRAINAGE AREA, 810 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	23.8	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 23.8 dam³

MONITOR CREEK NEAR MONITOR - STATION NO. 05GA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	0B	0 B	0.013	0	0	0	0	0	---	---
2	---	---	0B	0	0.013	0	0	0	0	0	---	---
3	---	---	0B	0.007	0.017	0	0	0	0	0	---	---
4	---	---	0B	0.007	0.008	0	0	0	0	0	---	---
5	---	---	0B	0.004	0.004	0	0	0	0	0	---	---
6	---	---	0B	0.002	0.001	0	0	0	0	0	---	---
7	---	---	0B	0.001	0	0	0	0	0	0	---	---
8	---	---	0B	0.001	0	0	0	0	0	0	---	---
9	---	---	0B	0.001	0	0	0	0	0	0	---	---
10	---	---	0B	0.001	0	0	0	0	0	0	---	---
11	---	---	0B	0.002	0	0	0	0	0	0	---	---
12	---	---	0B	0.001	0	0	0	0	0	0	---	---
13	---	---	0B	0.004	0	0	0.001	0	0	0	---	---
14	---	---	0B	0.007	0	0	0.048	0	0	0	---	---
15	---	---	0B	0.012	0	0	0.034	0	0	0	---	---
16	---	---	0B	0.068	0	0	0.011	0	0	0	---	---
17	---	---	0B	0.045	0	0	0	0	0	0	---	---
18	---	---	0B	0.022	0	0	0	0	0	0	---	---
19	---	---	0B	0.008	0	0	0	0	0	0	---	---
20	---	---	0B	0.004	0	0	0	0	0	0	---	---
21	---	0B	0B	0	0	0	0	0	0	0	---	---
22	---	0B	0B	0	0	0	0	0	0	0	---	---
23	---	0B	0B	0	0	0	0	0	0	0	---	---
24	---	0B	0B	0	0	0	0	0	0	0	---	---
25	---	0B	0B	0	0	0	0	0	0	0	---	---
26	---	0B	0B	0	0	0	0	0	0	0	---	---
27	---	0B	0B	0	0	0	0	0	0	0	---	---
28	---	0B	0B	0.118	0	0	0	0	0	0	---	---
29	---		0B	0.051	0	0	0	0	0	0	---	---
30	---		0B	0.014	0	0	0	0	0	0	---	---
31	---		0B		0		0	0		0		---
TOTAL	---	---	0	0.381	0.057	0	0.095	0	0	0	---	---
MEAN	---	---	0	0.013	0.002	0	0.003	0	0	0	---	---
MAX	---	---	0	0.118	0.017	0	0.048	0	0	0	---	---
MIN	---	---	0	0	0	0	0	0	0	0	---	---

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.002
MAXIMUM DAILY, 0.118 ON APR 28
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.373 AT 14:25 MST ON APR 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 58 10 N
LONG 110 34 30 W
DRAINAGE AREA, 1 440 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	8.21
FEB	---	AUG	0
MAR	0	SEP	0
APR	32.9	OCT	0
MAY	4.92	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 46.0 dam³

MONTAGNEUSE RIVER NEAR HINES CREEK - STATION NO. 07FD012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	0 B	0.001B	2.29	1.95	0.227	0	0.249	0.259	0.097A	---
2	---	---	0 B	0.002B	2.54	1.82	0.225	0	0.219	0.316	---	---
3	---	---	0 B	0.002B	2.64	1.29	0.233	0	0.217	0.316	---	---
4	---	---	0 B	0.003B	2.47	1.01	0.346	0.013	0.197	0.320	---	---
5	---	---	0 B	0.004B	2.35	0.842	0.336	0.015	0.195	0.309	---	---
6	---	---	0 B	0.006B	2.06	0.783	0.338	0.013	0.181	0.263	---	---
7	---	---	0 B	0.306B	1.81	0.743	0.320	0.005	0.200	0.272	---	---
8	---	---	0 B	0.008B	1.81	0.661	0.261	0.003	0.193	0.267	---	---
9	---	---	0 B	0.014B	1.67	0.651	0.210	0.002	0.175	0.286	---	---
10	---	---	0 B	0.018B	1.46	0.594	0.222	0.009	0.147	0.247	---	---
11	---	---	0 B	0.048B	1.46	0.527	0.212	0.036	0.136	0.232	---	---
12	---	---	0 B	0.123B	1.26	0.512	0.124	0.139	0.118	0.221	---	---
13	---	---	0 B	0.203B	1.06	0.399	0.057	0.265	0.109	0.210	---	---
14	---	---	0 B	0.446B	0.959	0.350	0.026	0.294	0.090	0.188	---	---
15	---	---	0 B	0.835B	0.921	0.325	0.016	0.266	0.090	0.187	---	---
16	---	---	0 B	1.66 B	0.727	0.344	0.039	0.226	0.095	0.175	---	---
17	---	---	0 B	1.70 B	0.620	0.315	0.103	0.144	0.089	0.165	---	---
18	---	---	0 B	3.24 B	0.667	0.255	0.126	0.110	0.094	0.160	---	---
19	---	---	0 B	4.77 B	0.554	0.209	0.100	0.093	0.094	0.160	---	---
20	---	---	0 B	6.19 B	0.619	0.161	0.072	0.089	0.086	0.162	---	---
21	---	---	0 B	6.25	1.22	0.164	0.051	0.091	0.093	0.151	---	---
22	---	---	0 B	6.05	1.53	0.170	0.031	0.096	0.093	0.137	---	---
23	---	---	0 B	6.09	1.71	0.164	0.023	0.174	0.091	0.131	---	---
24	---	---	0 B	4.56	1.95	0.153	0.022	0.385	0.088	0.127	---	---
25	---	---	0 B	3.40	2.39	0.141	0.005	0.674	0.108	0.125	---	---
26	---	---	0 B	2.59	2.59	0.169	0.012	0.699	0.085	0.127	---	---
27	---	---	0 B	2.19	2.94	0.197	0.014	0.434	0.078	0.134	---	---
28	---	---	0 B	1.93	3.39	0.206	0.013	0.405	0.084	0.129	---	---
29	---		0 B	1.85	3.31	0.179	0.007	0.339	0.087	0.106	---	---
30	---		0 B	2.06	2.90	0.187	0.002	0.380	0.172	0.106	---	---
31	---		0.001B		2.38		0	0.317		0.089		---
TOTAL	---	---	0.001	60.487	56.257	15.513	3.803	5.738	3.966	6.098	---	---
MEAN	---	---	0	2.02	1.81	0.517	0.123	0.185	0.132	0.197	---	---
MAX	---	---	0.001	6.25	3.39	1.95	0.346	0.699	0.249	0.320	---	---
MIN	---	---	0	0.001	0.554	0.141	0	0	0.078	0.089	---	---

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.520
MAXIMUM DAILY, 6.25 ON APR 21
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
6.33 AT 00:30 MST ON APR 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 23 00 N
LONG 118 42 40 W
DRAINAGE AREA, 230 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	329
FEB	---	AUG	496
MAR	0.09	SEP	343
APR	5 230	OCT	527
MAY	4 860	NOV	---
JUN	1 340	DEC	---

TOTAL DISCHARGE, 13 100 dam³

MOORE LAKE NEAR COLD LAKE - STATION NO. 06AC002

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	548.374A	548.393E	548.384	548.414	548.438	548.408	548.388	548.357	548.318	---	1
2	---	---	548.376	548.392E	548.389	548.418	548.437	548.408	548.385	548.355	548.322A	---	2
3	---	---	548.378	548.392E	548.390	548.420	548.436	548.402	548.410	548.352	---	---	3
4	---	---	548.377A	548.392A	548.388	548.421	548.437	548.394	548.408	548.353	---	---	4
5	---	---	548.378E	548.391A	548.385	548.437	548.436	548.387	548.409	548.345	---	---	5
6	---	---	548.381A	548.391A	548.388	548.436	548.435	548.383	548.412	548.344	---	---	6
7	---	---	548.382E	548.390A	548.388	548.433	548.432	548.388	548.414	548.345	---	---	7
8	---	---	548.383E	548.389	548.388	548.431	548.436	548.388	548.410	548.348	---	---	8
9	---	---	548.384E	548.391	548.388	548.436	548.434	548.383	548.407	548.343	---	---	9
10	---	---	548.388E	548.391	548.391	548.441	548.434	548.380	548.398	548.338	---	---	10
11	---	---	548.386E	548.391	548.385	548.436	548.434	548.378	548.387	548.337	---	---	11
12	---	---	548.387A	548.390	548.391	548.436	548.434	548.370	548.386	548.338	---	---	12
13	---	---	548.388E	548.387	548.392	548.436	548.434	548.387	548.388	548.334	---	---	13
14	---	---	548.388A	548.387	548.393	548.436	548.433	548.388	548.387	548.334	---	---	14
15	---	---	548.387E	548.387	548.388	548.436	548.430	548.388	548.384	548.334	---	---	15
16	---	---	548.388A	548.384	548.388	548.436	548.430	548.382	548.384	548.334	---	---	16
17	---	---	548.383A	548.382	548.387	548.448	548.428	548.387	548.384	548.334	---	---	17
18	---	---	548.384A	548.382	548.387	548.443	548.422	548.388	548.388	548.333	---	---	18
19	---	---	548.385A	548.382	548.411	548.480	548.421	548.381	548.384	548.330	---	---	19
20	---	---	548.388E	548.383	548.408	548.432	548.420	548.388	548.388	548.331	---	---	20
21	---	---	548.384A	548.384	548.413	548.432	548.418	548.382	548.388	548.331	---	---	21
22	---	---	548.386E	548.380	548.417	548.433	548.433	548.384	548.378	548.327	---	---	22
23	---	---	548.388E	548.383	548.418	548.436	548.428	548.383	548.378	548.328	---	---	23
24	---	---	548.387E	548.388	548.417	548.436	548.428	548.388	548.378	548.328	---	---	24
25	---	---	548.388E	548.388	548.411	548.436	548.418	548.388	548.372	548.328	---	---	25
26	---	---	548.388E	548.387	548.407	548.433	548.413	548.380	548.370	548.327	---	---	26
27	---	---	548.390E	548.388	548.408	548.448	548.413	548.382	548.388	548.328	---	---	27
28	---	---	548.391A	548.390	548.410	548.436	548.413	548.383	548.388	548.324	---	---	28
29	---		548.392E	548.391	548.411	548.428	548.407	548.383	548.370	548.324	---	---	29
30	---		548.392E	548.393	548.411	548.431	548.417	548.384	548.384	548.322	---	---	30
31	---		548.393A		548.411		548.408	548.383		548.318		---	31
MEAN	---	---	548.385	548.388	548.388	548.434	548.427	548.380	548.390	548.335	---	---	MEAN
MAX	---	---	548.393	548.393	548.417	548.480	548.438	548.408	548.414	548.357	---	---	MAX
MIN	---	---	548.374	548.380	548.385	548.414	548.407	548.348	548.384	548.318	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 548.480 ON JUN 19

MAXIMUM INSTANTANEOUS,
548.487 AT 23:55 MST ON JUN 26

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 30 00 N
LONG 110 34 00 W

A - MANUAL GAUGE

E - ESTIMATED

DRAINAGE AREA,
42.2 km²

MOOSEHILLS CREEK NEAR ELK POINT - STATION NO. 05ED003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.004	0.032	0.052	0	0.013	0	---	---	1
2	---	---	0B	0.0048	0.004	0.043	0.050	0	0.010	0	---	---	2
3	---	---	0B	0.0228	0.005	0.036	0.048	0	0.012	0	---	---	3
4	---	---	0B	0.1278	0.005	0.039	0.041	0	0.008	0	---	---	4
5	---	---	0B	0.1768	0.005	0.046	0.038	0	0.008	0	---	---	5
6	---	---	0B	0.1808	0.002	0.062	0.035	0	0.028	0.003	---	---	6
7	---	---	0B	0.2038	0	0.068	0.020	0	0.028	0.011	---	---	7
8	---	---	0B	0.1788	0	0.033	0.020	0	0.021	0.014	---	---	8
9	---	---	0B	0.1278	0	0.037	0.013	0.001	0.018	0.012	---	---	9
10	---	---	0B	0.0768	0	0.084	0.030	0	0.010	0.018	---	---	10
11	---	---	0B	0.0538	0	0.048	0.028	0	0.008	0.017	---	---	11
12	---	---	0B	0.0538	0	0.043	0.038	0	0.003	0.014	---	---	12
13	---	---	0B	0.0528	0	0.033	0.035	0	0.004	0.011	---	---	13
14	---	---	0B	0.0538	0	0.031	0.026	0	0.001	0.012	---	---	14
15	---	---	0B	0.0528	0	0.038	0.018	0	0.003	0.013	---	---	15
16	---	---	0B	0.0508	0	0.037	0.018	0	0.008	0.008	---	---	16
17	---	---	0B	0.0488	0	0.041	0.018	0	0.008	0.008	---	---	17
18	---	---	0B	0.048	0	0.033	0.015	0	0.004	0.008	---	---	18
19	---	---	0B	0.048	0	0.021	0.011	0	0.004	0.010	---	---	19
20	---	---	0B	0.047	0	0.027	0.014	0	0.008	0.011	---	---	20
21	---	---	0B	0.043	0	0.031	0.008	0.004	0.005	0.011	---	---	21
22	---	---	0B	0.038	0	0.034	0.006	0.006	0.004	0.008	---	---	22
23	---	---	0B	0.028	0	0.047	0.003	0.003	0.005	0.008	---	---	23
24	---	---	0B	0.008	0	0.058	0.003	0.003	0.006	0.007	---	---	24
25	---	---	0B	0.010	0	0.053	0.002	0.001	0.004	0.008	---	---	25
26	---	---	0B	0.011	0	0.042	0.001	0.001	0.004	0.008	---	---	26
27	---	---	0B	0.009	0	0.038	0.001	0.001	0.008	0.0108	---	---	27
28	---	0B	0B	0.007	0	0.047	0.001	0.004	0.002	0.0088	---	---	28
29	---		0B	0.006	0	0.044	0	0.007	0	0.0088	---	---	29
30	---		0B	0.005	0.001	0.051	0	0.008	0	0.0138	---	---	30
31	---		0B		0.017		0	0.013		0.0078		---	31
TOTAL	---	---	0	1.787	0.044	1.277	0.588	0.053	0.232	0.288	---	---	TOTAL
MEAN	---	---	0	0.059	0.001	0.043	0.018	0.002	0.008	0.009	---	---	MEAN
MAX	---	---	0	0.203	0.017	0.068	0.050	0.013	0.028	0.017	---	---	MAX
MIN	---	---	0	0	0	0.021	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.017
MAXIMUM DAILY, 0.2038 ON APR 7
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 58 03 N
LONG 110 48 38 W

DRAINAGE AREA, 36.8 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	50.8
FEB	---	AUG	4.58
MAR	0	SEP	20.0
APR	103	OCT	22.9
MAY	3.80	NOV	---
JUN	110	DEC	---

TOTAL DISCHARGE, 305 dam³

MOOSELAKE RIVER NEAR FRANCHERE - STATION NO. 08AC008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0B	0E	0	0	0	0	0	0B	---	1
2	---	---	0B	0B	0E	0	0	0	0	0	0B	---	2
3	---	---	0B	0B	0E	0	0	0	0	0	---	---	3
4	---	---	0B	0B	0A	0	0	0	0	0	---	---	4
5	---	---	0B	0B	0	0	0	0	0	0	---	---	5
6	---	---	0B	0B	0	0	0	0	0	0	---	---	6
7	---	---	0B	0B	0	0	0	0	0	0	---	---	7
8	---	---	0B	0B	0	0	0	0	0	0	---	---	8
9	---	---	0B	0B	0	0	0	0	0	0	---	---	9
10	---	---	0B	0B	0	0	0	0	0	0	---	---	10
11	---	---	0B	0B	0	0	0	0	0	0	---	---	11
12	---	---	0B	0B	0	0	0	0	0	0	---	---	12
13	---	---	0B	0B	0	0	0	0	0	0	---	---	13
14	---	---	0B	0B	0	0	0	0	0	0	---	---	14
15	---	---	0B	0B	0	0	0	0	0	0	---	---	15
16	---	---	0B	0B	0	0	0	0	0	0	---	---	16
17	---	---	0B	0B	0	0	0	0	0	0	---	---	17
18	---	---	0B	0B	0	0	0	0	0	0	---	---	18
19	---	---	0B	0B	0	0	0	0	0	0	---	---	19
20	---	---	0B	0B	0	0	0	0	0	0	---	---	20
21	---	---	0B	0B	0	0	0	0	0	0	---	---	21
22	---	---	0B	0E	0	0	0	0	0	0	---	---	22
23	---	---	0B	0E	0	0	0	0	0	0	---	---	23
24	---	---	0B	0E	0	0	0	0	0	0	---	---	24
25	---	---	0B	0E	0	0	0	0	0	0	---	---	25
26	---	---	0B	0E	0	0	0	0	0	0	---	---	26
27	---	---	0B	0E	0	0	0	0	0	0	---	---	27
28	---	---	0B	0E	0	0	0	0	0	0B	---	---	28
29	---	---	0B	0E	0	0	0	0	0	0B	---	---	29
30	---		0B		0		0			0B		---	30
31	---		0B		0		0			0B		---	31
TOTAL	---	---	0	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0B ON MAR 1
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 18 26 N
LONG 110 57 46 W
DRAINAGE AREA, 1 010 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0 dam³

MOSQUITO CREEK NEAR THE MOUTH - STATION NO. 08AC031

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.3008	0.128	1.03	0.888	0.867	0.838	0.831	---	---	1
2	---	---	0 B	0.3508	0.134	1.07	0.878	0.781	0.848	0.827	---	---	2
3	---	---	0 B	0.3288	0.126	1.10	1.03	0.826	0.731	0.803	---	---	3
4	---	---	0 B	0.3608	0.116	1.06	1.07	0.814	0.783	0.893	---	---	4
5	---	---	0 B	0.3208	0.114	0.881	1.11	0.774	0.719	0.861	---	---	5
6	---	---	0 B	0.4288	0.107	1.00	1.08	0.733	0.738	0.861	---	---	6
7	---	---	0 B	0.3128	0.110	1.01	1.04	0.740	0.737	0.878	---	---	7
8	---	---	0 B	0.2888	0.245	1.11	1.01	0.710	0.888	0.880	---	---	8
9	---	---	0 B	0.1848	0.378	1.18	1.08	0.721	0.884	0.878	---	---	9
10	---	---	0 B	0.1878	0.338	1.16	1.31	0.845	0.881	0.884	---	---	10
11	---	---	0 B	0.1888	0.481	1.31	1.53	0.704	0.702	0.878	---	---	11
12	---	---	0 B	0.1758	0.441	1.08	1.31	0.882	0.701	0.847	---	---	12
13	---	---	0 B	0.1788	0.451	1.06	1.24	0.885	0.648	0.884	---	---	13
14	---	---	0 B	0.1808	0.484	0.868	1.30	0.858	0.608	0.885	---	---	14
15	---	---	0 B	0.1878	0.478	0.881	1.28	0.788	0.693	0.838	---	---	15
16	---	---	0 B	0.1888	0.488	0.802	1.28	0.878	0.878	0.813	---	---	16
17	---	---	0 B	0.1858	0.488	0.888	1.33	0.845	0.889	0.808	---	---	17
18	---	---	0 B	0.187	0.486	0.832	1.20	0.878	0.808	0.380	---	---	18
19	---	---	0 B	0.188	0.503	0.878	1.16	0.707	0.850	0.178	---	---	19
20	---	---	0 B	0.187	0.518	0.881	1.08	0.770	0.830	0.118	---	---	20
21	---	---	0 B	0.148	0.504	0.823	1.13	0.873	0.812	0.088	---	---	21
22	---	---	0 B	0.140	0.538	0.843	0.718	0.841	0.648	0.080	---	---	22
23	---	---	0.1008	0.138	0.505	0.843	0.887	0.777	0.678	0.084	---	---	23
24	---	---	0.2408	0.133	0.738	0.887	1.14	0.888	0.672	0.091	---	---	24
25	---	---	0.8008	0.120	0.808	1.03	0.781	0.846	0.873	0.088	---	---	25
26	---	---	0.8008	0.183	0.883	1.07	0.878	0.813	0.885	0.087	---	---	26
27	---	---	0.8008	0.188	0.888	1.04	1.08	0.848	0.700	0.088	---	---	27
28	---	0B	0.7238	0.170	1.04	0.877	0.884	0.712	0.848	0.085	---	---	28
29	---		1.26 B	0.151	1.05	1.01	1.18	0.722	0.884	0.070	---	---	29
30	---		0.8008	0.142	1.04	0.881	1.60	0.827	0.833	0.084A	---	---	30
31	---		0.4178		1.02		1.34	0.874		0.084E		---	31
TOTAL	---	---	5.230	5.182	15.857	30.403	34.883	32.338	18.988	11.304	---	---	TOTAL
MEAN	---	---	0.169	0.206	0.808	1.01	1.13	0.717	0.886	0.365	---	---	MEAN
MAX	---	---	1.26	0.500	1.05	1.21	1.80	0.887	0.783	0.831	---	---	MAX
MIN	---	---	0	0.120	0.107	0.878	0.718	0.848	0.888	0.084	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.888
MAXIMUM DAILY, 1.80 ON JUL 30
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.71 AT 18:23 MST ON JUL 30

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 18 30 N
LONG 113 33 18 W
DRAINAGE AREA, 838 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 010
FEB	---	AUG	1 930
MAR	462	SEP	1 730
APR	536	OCT	977
MAY	1 350	NOV	---
JUN	2 830	DEC	---

TOTAL DISCHARGE, 12 800 dam³

MOUNTAIN VIEW IRRIGATION DISTRICT CANAL - STATION NO. 05AD017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0 E	0.042	0.101	1.08	2.83	0.205	1.47	0.021	---	1
2	---	---	---	0 E	0.047	0.072	1.07	2.83	0.207	1.48	0.021	---	2
3	---	---	---	0 E	0.058	0.074	1.07	2.87	0.212	1.46	0.023	---	3
4	---	---	---	0 E	0.044	0.073	1.05	2.88	0.207	1.42	0.026	---	4
5	---	---	---	0 E	0.043	0.054A	1.09	2.84	0.237	1.41	0.027	---	5
6	---	---	---	0 E	0.040	0.038A	1.07	2.78	0.222	1.38	0.023A	---	6
7	---	---	---	0 E	0.040	0.037	1.34	2.78	0.216	1.34	0 E	---	7
8	---	---	---	0 E	0.141	0.044A	2.38	2.78	0.223	1.33	0 E	---	8
9	---	---	---	0 E	0.856	0.047E	2.38	2.78	0.201	1.28	0 E	---	9
10	---	---	---	0 A	0.866	0.081E	2.37	2.73	0.212	1.39	0 E	---	10
11	---	---	---	0	0.870	0.138E	2.32	2.80	0.205	0.518	0 E	---	11
12	---	---	---	0	0.857	0.147A	2.31	2.49	0.188	0.060	0 E	---	12
13	---	---	---	0.010	0.838	0.092	2.48	2.48	0.167	0.038	0 E	---	13
14	---	---	---	0.018	0.828	0.087	2.57	2.48	0.178	0.044	0 E	---	14
15	---	---	---	0.038	0.801	0.077	2.46	2.48	0.187	0.057	0 E	---	15
16	---	---	---	0.013	0.784	0.081	2.08	2.20	0.188	0.088	0 E	---	16
17	---	---	---	0.011	0.781	0.078	1.26	1.88	0.218	0.074	0 E	---	17
18	---	---	---	0.017	0.780	0.082	1.23	1.87	0.268	0.081	0 E	---	18
19	---	---	---	0.021	0.781	0.076	1.20	1.85	0.228	0.874	0 E	---	19
20	---	---	---	0.021	0.788	0.072	1.19	1.82	0.220	1.08	0 E	---	20
21	---	---	---	0.028	1.04	0.088	1.19	1.82	0.235	1.07	0 A	---	21
22	---	---	---	0.016	1.62	0.889	1.17	1.80	0.222	1.06	0 E	---	22
23	---	---	0A	0.018	1.81	1.57	1.68A	1.82	0.238	0.437	0 E	---	23
24	---	---	0E	0.018	1.81	1.67	2.22E	1.81	0.251	0.040	0 E	---	24
25	---	---	0E	0.026	1.82	1.85	2.23E	1.85	0.480	0.034	0 E	---	25
26	---	---	0E	0.032	1.80	1.80	2.21E	1.26	0.588	0.038	0 E	---	26
27	---	---	0E	0.041	1.80	1.80	2.21A	1.22	0.634	0.038	0 E	---	27
28	---	---	0E	0.038	1.88	1.30	2.20	0.718	0.880	0.038	0 E	---	28
29	---		0E	0.050	0.788	1.08	2.19	0.226	1.23	0.036	0 E	---	29
30	---		0E	0.053	0.087	1.08	2.19	0.204	1.48	0.027	0 E	---	30
31	---		0E		0.127		2.48	0.208		0.023		---	31
TOTAL	---	---	---	0.488	25.123	14.055	58.14	62.885	10.190	19.376	0.140	---	TOTAL
MEAN	---	---	---	0.016	0.810	0.469	1.81	2.03	0.340	0.625	0.005	---	MEAN
MAX	---	---	---	0.053	1.88	1.85	2.57	2.87	1.48	1.47	0.027	---	MAX
MIN	---	---	---	0	0.040	0.037	1.05	0.204	0.178	0.023	0	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.772
MAXIMUM DAILY, 2.87 ON AUG 3
MINIMUM DAILY, 0E ON APR 1

SUMMARY FOR THE MONTHS APR TO NOV

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 08 00 N
LONG 113 41 30 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4 850
FEB	---	AUG	5 440
MAR	---	SEP	880
APR	48.6	OCT	1 870
MAY	2 170	NOV	12.1
JUN	1 210	DEC	---

TOTAL DISCHARGE, 18 300 dam³

MUD LAKE DIVERSION CANAL - STATION NO. 05BF013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.340B	0.878	2.84	2.04	1.43	0.483	---	---	1
2	---	---	---	---	0.340B	1.44	2.28	2.04	1.33	0.408	---	---	2
3	---	---	---	---	0.340B	1.82	1.82	1.77	1.33	0.390	---	---	3
4	---	---	---	---	0.340B	2.17	1.78	1.81	1.23	0.384	---	---	4
5	---	---	---	---	0.338B	2.87	1.78	1.87	1.31	0.372	---	---	5
6	---	---	---	---	0.342	4.83	1.85	1.84	1.31	0.368	---	---	6
7	---	---	---	---	0.844	5.84	1.88	1.71	1.28	0.340	---	---	7
8	---	---	---	---	0.828	4.87	1.82	1.85	1.20	0.321	---	---	8
9	---	---	---	---	0.870	5.36	1.72	1.88	1.08	0.308	---	---	9
10	---	---	---	---	1.10	5.37	1.84	2.41	1.01	0.324	---	---	10
11	---	---	---	---	1.32	4.31	1.78	2.08	0.904	0.384	---	---	11
12	---	---	---	---	1.18	4.20	1.80	1.73	0.808	0.337	---	---	12
13	---	---	---	---	1.02	4.87	2.30	1.74	0.783	0.308	---	---	13
14	---	---	---	---	0.823	5.70	2.85	1.78	0.748	0.284	---	---	14
15	---	---	---	---	0.783	6.05	2.88	1.87	0.788	0.280	---	---	15
16	---	---	---	---	0.831	5.83	3.27	1.38	0.723	0.233	---	---	16
17	---	---	---	---	1.01	4.44	3.08	1.43	0.741	0.225	---	---	17
18	---	---	---	---	1.01	3.08	2.35	1.48	0.698	0.238	---	---	18
19	---	---	---	---	0.802	2.87	2.17	1.85	0.828	0.248	---	---	19
20	---	---	---	---	0.783	2.24	2.84	1.80	0.881	0.269	---	---	20
21	---	---	---	---	0.761	1.75	3.08	2.02	0.888	0.278	---	---	21
22	---	---	---	---	0.718	1.52	2.78	2.80	0.847	0.281	---	---	22
23	---	---	---	---	0.881	1.48	2.07	2.29	0.881	0.245	---	---	23
24	---	---	---	---	0.573	1.58	1.91	1.82	0.588	0.240	---	---	24
25	---	---	---	---	0.830	1.81	1.88	1.84	0.832	0.234	---	---	25
26	---	---	---	0.340B	0.817	1.88	1.87	1.48	0.843	0.232	---	---	26
27	---	---	---	0.340B	0.888	3.82	2.02	1.42	0.887	0.213	---	---	27
28	---	---	---	0.340B	0.858	3.02	2.18	1.86	0.841	0.214	---	---	28
29	---		---	0.340B	0.818	2.40	2.00	1.86	0.806	0.193	---	---	29
30	---		---	0.340B	0.837	2.58	1.88	1.83	0.482	0.188E	---	---	30
31	---		---		0.815		2.00	1.83		0.190E		---	31
TOTAL	---	---	---	---	22.027	100.736	67.85	55.38	25.210	8.892	---	---	TOTAL
MEAN	---	---	---	---	0.711	3.36	2.18	1.78	0.840	0.287	---	---	MEAN
MAX	---	---	---	---	1.32	6.05	3.27	2.80	1.43	0.483	---	---	MAX
MIN	---	---	---	---	0.338	0.878	1.84	1.38	0.482	0.192	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.82
MAXIMUM DAILY, 6.05 ON JUN 15
MINIMUM DAILY, 0.192 ON OCT 28

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 47 30 N
LONG 115 16 00 W
DRAINAGE AREA, 29.0 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1949

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5 680
FEB	---	AUG	4 780
MAR	---	SEP	2 140
APR	---	OCT	766
MAY	1 900	NOV	---
JUN	6 700	DEC	---

TOTAL DISCHARGE, 24 200 dam³

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

MURIEL LAKE AT BURNEYVILLE - STATION NO. 05AC007

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	558.778	558.786A	558.795	---	558.832	558.812	558.842	558.780	558.753	558.721	558.678	558.674	1
2	558.777	558.784A	558.795	---	558.818	558.815	558.838	558.783	558.757	558.718	558.673	558.672	2
3	558.778	---	558.795	---	558.820	558.818	558.838	558.773	558.758	558.718	558.674	558.674	3
4	558.778	---	558.794	558.788A	558.820	558.818	558.835	558.770	558.757	558.710	558.680	558.675	4
5	558.781	---	558.794	558.788E	558.822	558.818	558.833	558.765	558.764	558.704	558.678	558.678	5
6	558.782	---	---	558.788E	558.820	558.823	558.831	558.759	558.774	558.705	558.678	558.678	6
7	558.781	---	---	558.800E	558.821	558.842	558.831	558.757	558.768	558.708	558.678	558.677	7
8	558.778	---	---	558.800E	558.826	558.844	558.833	558.754	558.784	558.699	558.671	558.680	8
9	558.778	---	---	558.800E	558.828	558.852	558.839	558.752	558.784	558.695	558.673	558.679	9
10	558.778	---	---	558.800	558.831	558.850	558.838	558.743	558.788	558.698	558.658	558.680	10
11	558.778	---	---	558.800	558.823	558.858	558.840	558.738	558.787	558.692	558.670	558.682	11
12	558.779	---	---	558.801	558.827	558.856	558.837	558.741	558.754	558.694	558.671	558.683	12
13	558.777	---	---	558.798	558.828	558.854	558.838	558.740	558.754	558.692	558.670	558.684	13
14	558.778	---	---	558.802	558.828	558.848	558.834	558.738	558.753	558.695	558.671	558.687	14
15	558.778	---	---	558.803	558.828	558.848	558.834	558.732	558.751	558.690	558.672	558.693	15
16	558.778	---	---	558.802	558.825	558.842	558.831	558.727	558.752	558.693	558.673	558.694	16
17	558.778	---	---	558.804	558.823	558.847	558.827	558.722	558.747	558.695	558.672	558.691	17
18	558.778	---	---	558.805	558.826	558.848	558.826	558.718	558.747	558.692	558.675	558.691	18
19	558.778	---	---	558.808	558.835	558.843	558.824	558.715	558.746	558.688	558.677	558.688	19
20	558.778	---	---	558.810	558.822	558.828	558.825	558.710	558.743	558.689	558.678	558.688	20
21	558.778	---	---	558.813	558.823	558.828	558.815	558.710	558.740	558.688	558.678	558.692	21
22	558.778	---	---	558.812	558.825	558.829	558.814	558.742	558.738	558.685	558.674	558.695	22
23	558.773	---	---	558.817	558.827	558.827	558.818	558.750	558.733	558.687	558.674	558.693	23
24	558.778	---	---	558.821	558.827	558.827	558.808	558.754	558.728	558.685	558.678	558.702	24
25	558.774	---	---	558.820	558.824	558.828	558.797	558.749	558.730	558.682	558.678	558.703	25
26	558.778	---	---	558.820	558.822	558.828	558.788	558.741	558.727	558.688	558.678	558.708	26
27	558.778	---	---	558.820	558.820	558.828	558.788	558.738	558.722	558.688	558.678	558.709	27
28	558.777	558.787A	---	558.820	558.817	558.820	558.788	558.735	558.724	558.677	558.678	558.711	28
29	558.778	---	---	558.821	558.814	558.823	558.782	558.742	558.725	558.681	558.678	558.710	29
30	558.778	---	---	558.822	558.815	558.825	558.782	558.747	558.724	558.680	558.674	558.708	30
31	558.784	---	---		558.810		558.780	558.747		558.677		558.707	31
MEAN	558.777	---	---	---	558.823	558.834	558.820	558.744	558.747	558.694	558.674	558.690	MEAN
MAX	558.784	---	---	---	558.835	558.880	558.842	558.783	558.774	558.721	558.680	558.711	MAX
MIN	558.773	---	---	---	558.810	558.812	558.780	558.710	558.722	558.677	558.658	558.672	MIN

SUMMARY FOR THE YEAR 1989

WATER LEVELS IN METRES

MAXIMUM DAILY, 558.880 ON JUN 10
MINIMUM DAILY, 558.658 ON NOV 10
MAXIMUM INSTANTANEOUS,
558.882 AT 09:31 MST ON JUN 10

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 08 15 N
LONG 110 45 05 W

A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW
DRAINAGE AREA,
484 km²

MUSKEG CREEK NEAR WESTEROSE - STATION NO. 05PA012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.100E	0.223	0.134	---	0.078	0.181	0.120	0.108	---	1
2	---	---	---	0.325E	0.248	0.085	---	0.073	0.180	0.118	0.113	---	2
3	---	---	---	1.28	0.280	0.100E	---	0.072	0.184	0.110	0.118A	---	3
4	---	---	---	2.31	0.248	---	---	0.081	0.168	0.108	---	---	4
5	---	---	---	1.87	0.280	---	---	0.082	0.150	0.098	---	---	5
6	---	---	---	2.28	0.255	---	0.126A	0.087	0.137	0.091	---	---	6
7	---	---	---	0.871	0.267	---	0.131	0.103	0.132	0.088	---	---	7
8	---	---	---	0.852	0.228	---	0.132	0.108	0.138	0.083	---	---	8
9	---	---	---	0.788	0.191	---	0.132	0.108	0.118	0.081	---	---	9
10	---	---	---	0.611	0.178	---	0.134	0.107	0.117	0.082	---	---	10
11	---	---	---	2.00	0.172	---	0.143	0.108	0.118	0.078	---	---	11
12	---	---	---	4.75	0.248	---	0.320	0.110	0.128	0.077	---	---	12
13	---	---	---	4.40	0.323	---	0.374	0.111	0.132	0.078	---	---	13
14	---	---	---	3.47	0.281	---	0.327	0.112	0.128	0.080	---	---	14
15	---	---	---	3.89	0.180	---	0.184	0.113	0.128	0.081	---	---	15
16	---	---	---	2.88	0.147	---	0.147	0.113	0.142	0.081	---	---	16
17	---	---	---	1.93	0.148	---	0.141	0.118	0.148	0.081	---	---	17
18	---	---	---	0.771	0.118	---	0.138	0.131	0.148	0.078	---	---	18
19	---	---	---	0.804	0.203	---	0.135	0.130	0.153	0.079	---	---	19
20	---	---	---	0.855	1.27	---	0.133	0.148	0.148	0.078	---	---	20
21	---	---	---	0.663	2.28	---	0.128	0.184	0.153	0.078	---	---	21
22	---	---	---	0.634	1.43	---	0.124	0.171	0.153	0.077	---	---	22
23	---	---	---	0.617	0.738	---	0.118	0.212	0.158	0.084	---	---	23
24	---	---	---	0.675	0.663	---	0.115	0.184	0.148	0.088	---	---	24
25	---	---	---	0.615	0.752	---	0.110	0.191	0.142	0.091	---	---	25
26	---	---	---	0.464	0.680	0.128A	0.105	0.181	0.137	0.147	---	---	26
27	---	---	---	0.354	0.590	---	0.100	0.183	0.133	0.152	---	---	27
28	---	---	---	0.298	0.434	---	0.095	0.184	0.127	0.147	---	---	28
29	---	---	---	0.280	0.284	---	0.091	0.178	0.124	0.134	---	---	29
30	---	---	---	0.242	0.229	---	0.089	0.183	0.132	0.118	---	---	30
31	---	---	---		0.178		0.084	0.187		0.108		---	31
TOTAL	---	---	---	41.020	13.885	---	---	4.033	4.183	3.021	---	---	TOTAL
MEAN	---	---	---	1.37	0.441	---	---	0.130	0.139	0.097	---	---	MEAN
MAX	---	---	---	4.75	3.39	---	---	0.212	0.181	0.152	---	---	MAX
MIN	---	---	---	0.100	0.118	---	---	0.072	0.118	0.077	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 4.75 ON APR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 52 06 N
LONG 113 57 27 W
DRAINAGE AREA, 91.7 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	348
MAR	---	SEP	380
APR	3 540	OCT	261
MAY	1 180	NOV	---
JUN	---	DEC	---

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

MUSKEG RIVER NEAR FORT MACKAY : STATION NO. 07DA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.3808	0.8508	12.0E	27.3	8.85	15.8	3.88	4.88	---	---	1
2	---	---	0.3908	0.8908	15.0E	25.0	10.8	15.2	3.43	5.07	---	---	2
3	---	---	0.4118	0.7208	21.0E	23.0	13.8	14.1	3.25	5.40	---	---	3
4	---	---	0.4408	0.7708	23.0A	21.2	15.3	13.1	3.18	5.60	---	---	4
5	---	---	0.4808	0.8008	24.2	19.7	17.1	15.7	2.83	5.72	---	---	5
6	---	---	0.4808	0.8408	25.7	18.4	18.8	15.0	2.71	5.81	---	---	6
7	---	0.8828	0.5018	0.8808	26.8	18.0	19.8	14.0	2.84	5.48	---	---	7
8	---	---	0.5208	0.9108	27.3	18.8	19.8	13.7	2.70	5.31	---	---	8
9	---	---	0.5268	0.9308	27.8	19.0	20.1	11.8	2.73	5.31	---	---	9
10	---	---	0.5268	0.9458	27.8	18.7	19.8	10.8	2.72	5.38	---	---	10
11	---	---	0.5208	0.9608	27.0	18.0	18.8	9.04	2.68	5.21	---	---	11
12	---	---	0.5008	0.9708	26.8	18.8	17.8	7.83	2.81	5.15	---	---	12
13	---	---	0.4808	0.9808	26.3	18.5	15.8	8.33	2.48	5.02	---	---	13
14	---	---	0.4808	0.9858	26.2	14.3	14.3	5.44	2.85	4.93	---	---	14
15	---	---	0.4458	0.9708	26.4	12.8	12.8	4.73	2.82	4.84	---	---	15
16	---	---	0.4378	0.8808	26.4	11.8	11.8	4.14	2.78	4.82	---	---	16
17	---	---	0.4408	0.8608	26.8	10.2	10.1	3.88	2.87	4.81	---	---	17
18	---	---	0.4858	0.9408	25.1	8.08	8.18	3.88	3.28	4.88	---	---	18
19	---	---	0.5008	0.9458	24.4	8.31	8.67	4.03	3.43	4.78	---	---	19
20	---	---	0.5908	0.9558	25.8	8.00	8.82	3.74	3.48	4.74	---	---	20
21	---	---	0.6308	0.9708	28.7	9.30	8.42	3.46	3.47	4.78	---	---	21
22	---	---	0.6808	1.00 B	35.8	10.4	8.28	3.88	3.78	4.74	---	---	22
23	---	---	0.6708	1.08 B	41.2	10.2	7.28	8.83	3.85	4.68	---	---	23
24	---	---	0.6808	1.20 B	44.7	10.0	7.84	8.88	3.83	4.70	---	---	24
25	---	---	0.8408	1.40 B	47.0	10.2	10.1	4.88	3.80	4.70A	---	---	25
26	---	---	0.6208	1.70 E	47.4	10.3	13.7	4.87	3.87	4.70E	---	---	26
27	---	---	0.5908	2.28 E	44.8	10.0	14.8	4.38	3.88	4.70E	---	---	27
28	---	---	0.5808	3.00 E	40.8	9.88	15.0	4.85	3.82	4.88E	---	---	28
29	---	---	0.5508	5.30 E	36.8	9.42	14.8	4.40	3.84	4.80E	---	---	29
30	---	---	0.5808	6.80 E	33.0	9.02	14.3	4.12	3.88	4.45B	---	---	30
31	---	---	0.6108		28.8		14.7	3.87		4.30B	---	---	31
TOTAL	---	---	16.188	45.154	921.1	432.13	406.48	248.04	98.88	153.84	---	---	TOTAL
MEAN	---	---	0.522	1.51	29.7	14.4	13.3	7.84	3.33	4.88	---	---	MEAN
MAX	---	---	0.670	8.50	47.4	37.3	20.1	15.2	3.88	5.72	---	---	MAX
MIN	---	---	0.380	0.850	12.0	8.00	8.42	3.48	2.48	4.30	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.47
MAXIMUM DAILY, 47.4 ON MAY 26
MINIMUM DAILY, 0.3808 ON MAR 1
MAXIMUM INSTANTANEOUS,
47.8 AT 00:86 MST ON MAY 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 11 30 N
LONG 111 34 05 W
DRAINAGE AREA, 1 480 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	38 300
FEB	---	AUG	31 300
MAR	1 400	SEP	8 380
APR	3 800	OCT	13 300
MAY	78 800	NOV	---
JUN	37 300	DEC	---

TOTAL DISCHARGE, 200 000 dam³

MUSKEG RIVER NEAR GRANDE CACHE - STATION NO. 07GA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.6538	0.7738	7.71B	27.6	28.6	7.87	16.8	9.88	---	---	1
2	---	---	0.6548	0.7618	8.83	26.6	31.7	26.3	17.2	8.83	---	---	2
3	---	---	0.6578	0.7898	10.8	23.0	26.3	72.1	15.6	8.33	---	---	3
4	---	---	0.6588	0.7878	10.8	21.6	22.3	84.4	14.1	7.87	---	---	4
5	---	---	0.6618	0.8058	12.4	22.0	26.8	47.0	13.8	7.80	---	---	5
6	---	---	0.6638	0.8208	14.8	21.6	24.8	33.7	16.1	7.83	---	---	6
7	---	---	0.6648	0.8388	16.7	18.1	22.7	31.8	18.8	7.81	---	---	7
8	---	---	0.6688	0.8508	17.8	17.1	28.2	28.2	16.8	7.28	---	---	8
9	---	---	0.6688	0.8008	17.5	18.0	36.7	24.8	16.7	8.88	---	---	9
10	---	---	0.6708	0.8508	16.8	20.2	41.0	21.7	17.2	8.80	---	---	10
11	---	---	0.6728	1.06 B	17.0	19.2	45.1	17.8	16.7	8.38	---	---	11
12	---	---	0.6748	1.10 B	14.7	18.0	37.2	15.2	14.3	8.18	---	---	12
13	---	---	0.6768	1.80 B	12.8	17.3	30.6	12.8	13.1	8.84	---	---	13
14	---	---	0.6788	2.80 B	11.4	16.8	28.0	12.4	13.2	8.88	---	---	14
15	---	---	0.6308	2.80 B	10.7	16.8	26.8	16.2	11.8	8.80	---	---	15
16	---	---	0.6818	2.80 B	10.3	14.8	23.2	23.2	11.6	8.11B	---	---	16
17	---	---	0.6838	2.80 B	10.3	12.8	18.4	44.7	11.8	4.07B	---	---	17
18	---	---	0.6858	2.80 B	11.0	11.7	17.3	63.1	11.4	5.14B	---	---	18
19	---	---	0.6878	5.00 B	11.8	11.0	15.8	80.2	11.1	5.37	---	---	19
20	---	---	0.6898	8.50 B	11.9	10.4	14.3	38.7	10.8	5.30	---	---	20
21	---	---	0.6918	7.20 B	12.4	8.83	14.8	33.8	10.5	5.19	---	---	21
22	---	---	0.6938	7.22 B	12.1	8.82	14.4	30.4	8.88	5.08	---	---	22
23	---	---	0.7018	7.20 B	11.4	10.2	12.8	33.2	8.64	4.88	---	---	23
24	---	---	0.7088	8.70 B	14.0	11.1	12.4	38.3	8.20	4.88	---	---	24
25	---	---	0.7178	8.50 B	17.0	11.1	11.9	31.9	8.88	4.78	---	---	25
26	---	---	0.7258	8.30 B	18.7	10.3	10.7	30.8	8.87	4.70	---	---	26
27	---	---	0.7338	8.25 B	21.0	11.6	9.72	28.3	8.21	4.85	---	---	27
28	---	---	0.7418	8.26 B	19.0	14.2	9.23	26.4	7.78	4.278	---	---	28
29	---	---	0.7488	8.40 B	18.5	14.3	8.47	25.9	7.50	4.148	---	---	29
30	---	---	0.7578	7.10 B	19.1	13.5	8.88	24.3	8.31	4.328	---	---	30
31	---	---	0.7688		22.8		8.80	21.4		3.158	---	---	31
TOTAL	---	---	21.481	105.280	443.84	480.85	686.78	863.27	378.28	184.28	---	---	TOTAL
MEAN	---	---	0.880	3.81	14.3	16.0	21.6	31.1	12.8	5.84	---	---	MEAN
MAX	---	---	0.765	7.22	22.8	27.6	45.1	72.1	16.8	9.88	---	---	MAX
MIN	---	---	0.853	0.773	7.71	8.82	8.47	7.87	7.50	3.15	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 13.2
MAXIMUM DAILY, 72.1 ON AUG 3
MINIMUM DAILY, 0.6538 ON MAR 1
MAXIMUM INSTANTANEOUS,
78.8 AT 08:48 MST ON AUG 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 55 32 N
LONG 118 48 52 W
DRAINAGE AREA, 708 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	57 600
FEB	---	AUG	83 200
MAR	1 850	SEP	32 400
APR	9 100	OCT	15 600
MAY	39 300	NOV	---
JUN	41 600	DEC	---

TOTAL DISCHARGE, 280 000 dam³

NAMEPI CREEK NEAR THE MOUTH - STATION NO. [illegible]

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.041	0.148	0.072	0.144	0.077	0.035	0.008	---	1
2	---	---	0B	0 B	0.088	0.112	0.084	0.138	0.081	0.035	0.008A	---	2
3	---	---	0B	0 B	0.078	0.088	0.080	0.113	0.088	0.035	---	---	3
4	---	---	0B	0 B	0.080	0.078	0.078	0.084	0.088	0.035	---	---	4
5	---	---	0B	0 B	0.084	0.089	0.073	0.122	0.077	0.035	---	---	5
6	---	---	0B	0.0108	0.072	0.052	0.084	0.114	0.078	0.034	---	---	6
7	---	---	0B	0.0308	0.060	0.063	0.078	0.099	0.074	0.034	---	---	7
8	---	---	0B	1.40 B	0.037	0.054	0.118	0.108	0.068	0.034	---	---	8
9	---	---	0B	0.820B	0.025	0.020	0.127	0.088	0.111	0.033	---	---	9
10	---	---	0B	0.820B	0.014	0.040	0.148	0.080	0.108	0.032	---	---	10
11	---	---	0B	0.830B	0.008	0.020	0.148	0.088	0.111	0.031	---	---	11
12	---	---	0B	0.880B	0.042	0.015	0.148	0.080	0.108	0.030	---	---	12
13	---	---	0B	0.880B	0.027	0.010	0.148	0.078	0.105	0.028	---	---	13
14	---	---	0B	0.880B	0.020	0.010	0.148	0.070	0.101	0.028	---	---	14
15	---	---	0B	0.820B	0.020	0.010	0.172	0.088	0.084	0.028	---	---	15
16	---	---	0B	0.820B	0.028	0.010	0.183	0.081	0.107	0.026	---	---	16
17	---	---	0B	0.730B	0.030	0.010	0.181	0.087	0.088	0.024	---	---	17
18	---	---	0B	0.880B	0.037	0.010	0.186	0.083	0.082	0.023	---	---	18
19	---	---	0B	0.800B	0.118	0.010	0.183	0.048	0.078	0.022	---	---	19
20	---	---	0B	0.600B	0.081	0.018	0.178	0.045	0.123	0.021	---	---	20
21	---	---	0B	0.480B	0.127	0.030	0.175	0.041	0.104	0.020	---	---	21
22	---	---	0B	0.020B	0.152	0.064	0.176	0.037	0.084	0.019	---	---	22
23	---	---	0B	0.017	0.131	0.081	0.180	0.033	0.088	0.017	---	---	23
24	---	---	0B	0.010	0.133	0.101	0.186	0.029	0.084	0.018	---	---	24
25	---	---	0B	0.010	0.100	0.107	0.189	0.025	0.024	0.016	---	---	25
26	---	---	0B	0.013	0.189	0.087	0.186	0.025	0.088	0.014	---	---	26
27	---	---	0B	0.016	0.218	0.082	0.182	0.025	0.047	0.012	---	---	27
28	---	---	0B	0.088	0.203	0.085	0.184	0.028	0.042	0.011	---	---	28
29	---		0B	0.082	0.188	0.087	0.170	0.028	0.043	0.010	---	---	29
30	---		0B	0.087	0.178	0.084	0.188	0.026	0.040	0.009	---	---	30
31	---		0B		0.137		0.188	0.083		0.008		---	31
TOTAL	---	---	0	11.830	2.803	1.841	4.822	2.098	2.388	0.762	---	---	TOTAL
MEAN	---	---	0	0.384	0.090	0.055	0.148	0.068	0.078	0.024	---	---	MEAN
MAX	---	---	0	1.40	0.218	0.148	0.188	0.144	0.123	0.035	---	---	MAX
MIN	---	---	0	0	0.014	0.010	0.084	0.025	0.024	0.008	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.107
MAXIMUM DAILY, 1.40B ON APR 8
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 01 50 N
LONG 112 51 35 W
DRAINAGE AREA, 720 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	288
FEB	---	AUG	181
MAR	0	SEP	204
APR	1 020	OCT	88.0
MAY	242	NOV	---
JUN	142	DEC	---

TOTAL DISCHARGE, 2 260 dam³

NEW WEST COULEE NEAR THE MOUTH - STATION NO. 05BN005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.249	0.001	1.52	3.07	2.73	1.48	1.18	0.001B	---	1
2	---	---	0 B	0.208	0.001	1.81	3.38	2.86	1.37	1.17	---	---	2
3	---	---	0 B	0.276E	0.001	1.83	3.01	2.84	1.38	1.23	---	---	3
4	---	---	0 B	0.277A	0.002	1.76	2.72	3.16	1.20	1.30	---	---	4
5	---	---	0 B	0.281	0.001	1.80	3.10	2.84	1.17	1.18	---	---	5
6	---	---	0 B	0.205	0.001	1.89	3.01	2.80	1.18	1.18	---	---	6
7	---	---	0 B	0.202	0.001	1.88	3.04	2.79	1.20	1.04	---	---	7
8	---	---	0 B	0.124	0.008	2.18	3.34	2.48	1.05	0.843	---	---	8
9	---	---	0 B	0.089	0.004	2.59	3.41	2.09	1.02	0.873	---	---	9
10	---	---	0 B	0.091	0.001	3.40	4.00	2.00	1.01	0.778	---	---	10
11	---	---	0 B	0.117	0.002	4.48	4.01	1.98	0.972	0.381	---	---	11
12	---	---	0 B	0.133	0.001	2.34	3.74	1.84	0.800	0.300	---	---	12
13	---	---	0 B	0.130	0.001	1.61	3.88	1.98	0.808	0.112	---	---	13
14	---	---	0 B	0.138	0.138	1.71	4.20	2.18	1.04	0.115	---	---	14
15	---	---	0 B	0.143	0.522	1.59	4.13	1.98	1.01	0.096	---	---	15
16	---	---	0 B	0.107	0.717	1.90	3.47	2.12	0.993	0.087	---	---	16
17	---	---	0 B	0.047	1.20	1.83	4.08	2.08	1.04	0.078	---	---	17
18	---	---	0 B	0.048	1.29	1.80	3.86A	2.00	1.01	0.087	---	---	18
19	---	---	0 B	0.048	1.88	1.73	3.78E	2.10	0.808	0.084	---	---	19
20	---	---	0 B	0.048	1.70	1.80	3.71E	2.42	0.787	0.083	---	---	20
21	---	---	0 B	0.044	1.88	1.97	3.83E	2.32	0.733	0.043	---	---	21
22	---	---	0 B	0.037	1.78	2.08	3.58E	1.82	0.838	0.032	---	---	22
23	---	---	0 B	0.031	1.84	2.42	3.48E	1.73	0.828	0.028	---	---	23
24	---	---	0 B	0.018	2.27	2.53	3.41E	1.80	0.815	0.018	---	---	24
25	---	---	0 B	0.015	2.70	3.01	3.33E	1.96	0.777	0.013	---	---	25
26	---	---	0 B	0.020	1.73	2.88	3.28E	1.72	0.851	0.010	---	---	26
27	---	0B	0.200B	0.025	1.80	2.90	3.18A	1.78	0.804	0.008	---	---	27
28	---	0B	0.388B	0.015	1.94	2.82	3.18	1.78	1.08	0.005	---	---	28
29	---		0.109B	0.008	2.32	2.78	3.18	1.83	1.08	0.002	---	---	29
30	---		0.078B	0.008	1.88	2.83	3.20	1.81	1.08	0.002	---	---	30
31	---		0.201B		1.81		3.11	1.48		0.001		---	31
TOTAL	---	---	0.884	3.181	28.510	87.78	107.23	66.86	30.280	12.277	---	---	TOTAL
MEAN	---	---	0.032	0.106	0.820	2.28	3.46	2.12	1.01	0.388	---	---	MEAN
MAX	---	---	0.388	0.277	2.70	4.48	4.20	3.18	1.48	1.30	---	---	MAX
MIN	---	---	0	0.008	0.001	1.52	2.72	1.41	0.733	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.38
MAXIMUM DAILY, 4.48 ON JUN 11
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
8.80 AT 00:31 MST ON JUN 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 13 00 N
LONG 112 08 15 W
DRAINAGE AREA, 312 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	8 280
FEB	---	AUG	5 690
MAR	85.0	SEP	2 620
APR	273	OCT	1 080
MAY	2 480	NOV	---
JUN	6 890	DEC	---

TOTAL DISCHARGE, 27 300 dam³

NINE MILE COULEE NEAR LETHBRIDGE - STATION NO. 05AE042

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.0858	0.004	0.128	0.139	0.691	0.108	0.128	0.0048	---	1
2	---	---	---	0.0598	0.003	0.228	0.167	0.381	0.108	0.120	---	---	2
3	---	---	---	0.0538	0.008	0.092	0.150	0.208	0.100	0.110	---	---	3
4	---	---	---	0.0528	0.004	0.084	0.208	0.174	0.078	0.074	---	---	4
5	---	---	---	0.0488	0.003	0.141	0.328	0.267	0.080	0.137	---	---	5
6	---	---	---	0.082	0.002	0.132	0.278	0.183	0.084	0.111	---	---	6
7	---	---	---	0.081	0.001	0.188	0.263	0.138	0.088	0.348	---	---	7
8	---	---	---	0.038	0.003	0.189	0.386	0.113	0.085	0.184	---	---	8
9	---	---	---	0.0288	0.008	0.087	0.287	0.201	0.088	0.188	---	---	9
10	---	---	---	0.0328	0.004	0.188	0.288	0.278	0.084	0.102	---	---	10
11	---	---	---	0.0308	0.001	0.341	0.284	0.283	0.082	0.088	---	---	11
12	---	---	---	0.018	0	0.188	0.184	0.182	0.082	0.083	---	---	12
13	---	---	---	0.017	0	0.081	0.223	0.183	0.072	0.088	---	---	13
14	---	---	---	0.018	0	0.042	0.488	0.282	0.068	0.060	---	---	14
15	---	---	---	0.014	0	0.038	0.481	0.287	0.068	0.038	---	---	15
16	---	---	---	0.013	0	0.082	0.370	0.221	0.068	0.034	---	---	16
17	---	---	---	0.018	0.182	0.077	0.288	0.207	0.070	0.032	---	---	17
18	---	---	---	0.014	0.252	0.088	0.304	0.182	0.107	0.030	---	---	18
19	---	---	---	0.012	0.208	0.087	0.087	0.137	0.088	0.028	---	---	19
20	---	---	---	0.008	0.227	0.070	0.337	0.170	0.087	0.030	---	---	20
21	---	---	---	0.008	0.088	0.053	0.382	0.207	0.088	0.034	---	---	21
22	---	---	---	0.004	0.128	0.110	0.288	0.084	0.080	0.032	---	---	22
23	---	---	---	0.003	0.108	0.381	0.348	0.088	0.087	0.028	---	---	23
24	---	---	---	0.002	0.052	0.318	0.488	0.138	0.0857	0.023	---	---	24
25	---	---	---	0.002	0.188	0.441	0.438	0.182	0.068	0.017	---	---	25
26	---	---	---	0.003	0.103	0.328	0.828	0.131	0.084	0.013	---	---	26
27	---	---	---	0.007	0.100	0.138	0.482	0.138	0.078	0.0108	---	---	27
28	---	---	---	0.010	0.447	0.148	0.447	0.200	0.082	0.0098	---	---	28
29	---		---	0.008	0.337	0.187	0.408	0.132	0.108	0.0078	---	---	29
30	---		0.0858	0.006	0.048	0.138	0.483	0.078	0.128	0.0068	---	---	30
31	---		0.0788		0.128		0.884	0.083		0.0068		---	31
TOTAL	---	---	---	0.748	2.811	4.471	10.339	8.051	2.281	2.178	---	---	TOTAL
MEAN	---	---	---	0.025	0.084	0.149	0.334	0.188	0.078	0.070	---	---	MEAN
MAX	---	---	---	0.086	0.447	0.441	0.884	0.691	0.128	0.348	---	---	MAX
MIN	---	---	---	0.002	0	0.038	0.087	0.084	0.068	0.008	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.134
MAXIMUM DAILY, 0.884 ON JUL 31
MINIMUM DAILY, 0 ON MAY 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 33 19 N
LONG 112 47 06 W
DRAINAGE AREA, 157 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	693
FEB	---	AUG	523
MAR	---	SEP	197
APR	84.7	OCT	188
MAY	226	NOV	---
JUN	388	DEC	---

TOTAL DISCHARGE, 2 480 dam³

NORDEGG RIVER AT SUNCHILD ROAD - STATION NO. 05DD008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.730B	0.720B	0.780B	0.780B	7.45	4.31	7.13	3.72	28.6	5.74	4.40B	2.97B	1
2	0.730B	0.720B	0.780B	0.740B	8.33	4.13	8.34	7.83	30.4	5.73	4.27B	2.99B	2
3	0.730B	0.710B	0.780B	0.730B	10.1	3.94	8.52	38.6	33.4	5.80	3.68B	3.00B	3
4	0.720B	0.700B	0.780B	0.710B	9.86	3.76	8.87	39.4	28.4	5.67	3.42	2.86B	4
5	0.730B	0.700B	0.780B	0.700B	9.85	3.53	8.44	36.9	21.8	5.36	3.64	2.98B	5
6	0.720B	0.700B	0.810B	0.684B	9.80	3.28	8.40	18.8	18.8	5.84	3.44	2.92B	6
7	0.710B	0.680B	0.830B	0.670B	9.40	3.13	8.33	13.8	17.0	5.24	3.36B	2.88B	7
8	0.710B	0.680B	0.840B	0.680B	9.06	3.32	8.82	13.8	16.8	5.18	3.41B	2.83B	8
9	0.710B	0.680B	0.850B	0.650B	8.20	3.87	7.87	10.3	16.3	4.86	3.63B	2.73B	9
10	0.713B	0.700B	0.820B	0.670B	7.40	3.87	10.4	8.87	17.6	5.18	3.22B	2.83B	10
11	0.680B	0.700B	0.780B	0.740B	8.86	4.18	33.2	8.92	14.9	5.18	3.48B	2.93B	11
12	0.680B	0.710B	0.780B	0.850B	8.94	5.00	36.0	7.84	12.8	5.73	3.33B	2.41B	12
13	0.690B	0.720B	0.720B	1.03 B	8.38	4.23	31.9	8.71	11.6	5.86	2.70B	2.37B	13
14	0.700B	0.720B	0.687B	1.30 B	8.85	3.88	14.7	8.04	10.6	5.85	2.38B	2.34B	14
15	0.700B	0.720B	0.640B	1.80 B	4.86	3.59	11.0	8.81	8.77	5.44	3.23B	2.30B	15
16	0.700B	0.720B	0.640B	2.18 B	4.66	3.80	8.86	7.06	8.28	5.18	3.48B	2.25B	16
17	0.720B	0.740B	0.680B	2.34 B	4.34	4.82	8.87	38.0	8.80	5.84	3.48B	2.23B	17
18	0.730B	0.780B	0.680B	2.30 B	4.18	10.1	8.18	33.7	10.6	5.48	3.09B	2.30B	18
19	0.780B	0.780B	0.680B	2.06 B	4.26	7.86	7.08	24.2	10.6	5.48	3.52B	2.18B	19
20	0.780B	0.790B	0.710B	2.00 B	4.83	8.87	8.31	16.1	8.80	5.48	3.18B	2.17B	20
21	0.780B	0.820B	0.780B	1.86 B	5.33	8.32	5.80	15.1	8.88	5.80	3.07B	2.18B	21
22	0.800B	0.840B	0.780B	4.01	4.70	5.82	5.27	17.6	8.18	5.21	2.88B	2.20B	22
23	0.780B	0.880B	0.820B	5.32	4.37	5.81	4.77	16.4	7.86	5.10	2.78B	2.25B	23
24	0.780B	0.880B	0.850B	5.48	4.03	5.37	4.43	14.8	7.81	5.11	2.80B	2.30B	24
25	0.780B	0.880B	0.840B	5.47	4.06	5.73	4.31	12.8	7.01	5.68	2.82B	2.27B	25
26	0.780B	0.840B	0.830B	5.84	4.11	5.33	4.04	12.0	8.70	5.90	2.88B	2.25B	26
27	0.770B	0.850B	0.810B	5.63	4.21	7.84	4.04	11.6	8.48	5.48	2.88B	2.23B	27
28	0.780B	0.803B	0.800B	4.83	4.80	10.8	4.04	11.2	8.37	5.88	2.80B	2.22B	28
29	0.780B		0.780B	5.34	5.02	9.13	3.98	10.4	8.06	5.67B	2.82B	2.20B	29
30	0.740B		0.770B	5.13	4.63	7.71	3.78	10.8	8.86	5.33B	2.84B	2.23B	30
31	0.736B		0.750B		4.40		3.64	15.0		4.78B		2.25B	31
TOTAL	23.76B	21.08B	23.76B	76.12A	182.16	166.88	254.20	484.80	387.86	177.36	97.38	78.41	TOTAL
MEAN	0.736	0.763	0.766	2.80	8.20	5.82	8.20	15.6	13.3	5.72	3.24	2.68	MEAN
MAX	0.800	0.880	0.850	5.48	10.1	10.8	36.0	38.6	33.4	5.90	4.40	3.00	MAX
MIN	0.690	0.690	0.640	0.650	4.03	3.13	3.64	3.72	6.86	4.78	2.36	2.17	MIN

SUMMARY FOR THE YEAR 1989

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.45
MAXIMUM DAILY, 38.6 ON AUG 3
MINIMUM DAILY, 0.640B ON MAR 15
MAXIMUM INSTANTANEOUS,
60.9 AT 13:08 MST ON AUG 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 48 13 N
LONG 116 31 10 W
DRAINAGE AREA, 875 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 870	JUL	22 000
FEB	1 820	AUG	41 800
MAR	2 050	SEP	34 300
APR	8 480	OCT	15 300
MAY	15 800	NOV	8 400
JUN	14 300	DEC	8 600

TOTAL DISCHARGE, 172 000 dam³

NORTH FORK MILK RIVER ABOVE ST. MARY CANAL - STATION NO. 11AA033

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1138	0.5108	0.453	0.883	0.268	0.212	0.283	0.340	---	---	1
2	---	---	0.1138	0.4538	0.566	0.906	0.256	0.261	0.272	0.340	---	---	2
3	---	---	0.1138	0.4538	0.595	0.481	0.261	0.332	0.272	0.311	---	---	3
4	---	---	0.1278	0.2838	0.453	0.510	0.262	0.210	0.272	0.311	---	---	4
5	---	---	0.1278	0.2838	0.428	0.398	0.246	0.218	0.272	0.311	---	---	5
6	---	---	0.1428	0.678	0.428	0.340	0.244	0.221	0.272	0.311	---	---	6
7	---	---	0.1708	1.13	0.428	0.311	0.238	0.218	0.283	0.311	---	---	7
8	---	---	0.1988	0.736	0.481	0.311	0.227	0.204	0.311	0.311	---	---	8
9	---	---	0.5668	0.453	0.428	0.283	0.224	0.204	0.311	0.311	---	---	9
10	---	---	1.42 B	0.398	0.368	0.595	0.262	0.210	0.340	0.311	---	---	10
11	---	---	2.41 B	0.398	0.368	3.96	0.288	0.207	0.311	0.481	---	---	11
12	---	---	1.70 B	0.481	0.340	1.42	0.232	0.204	0.283	0.311	---	---	12
13	---	---	1.13 B	0.595	0.340	0.792	0.340	0.213	0.278	0.311	---	---	13
14	---	---	0.7658	0.538	0.340	0.566	0.595	0.215	0.278	0.340	---	---	14
15	---	---	0.7088	0.566	0.311	0.510	0.340	0.249	0.368	0.340	---	---	15
16	---	---	0.5668	0.595	0.311	0.425	0.280	0.249	0.368	0.311	---	---	16
17	---	---	0.4258	0.510	0.311	0.368	0.249	0.238	0.283	0.311	---	---	17
18	---	---	0.2838	0.510	0.311	0.340	0.232	0.238	0.481	0.311	---	---	18
19	---	---	0.2558	0.481	0.283	0.311	0.227	0.238	0.368	0.311	---	---	19
20	---	---	0.2278	0.510	0.280	0.311	0.221	0.228	0.311	0.311	---	---	20
21	---	---	0.2838	0.510	0.278	0.311	0.218	0.227	0.311	0.311	---	---	21
22	---	---	0.3408	0.510	0.272	0.311	0.207	0.221	0.311	0.311	---	---	22
23	---	---	0.2838	0.481	0.272	0.311	0.198	0.228	0.283	0.311	---	---	23
24	---	---	0.2558	0.453	0.278	0.340	0.204	0.283	0.283	0.311	---	---	24
25	---	---	0.4258	0.425	0.311	0.481	0.238	0.705	0.283	0.311	---	---	25
26	---	---	0.5668	0.538	0.311	0.453	0.244	0.566	0.283	0.311	---	---	26
27	---	---	1.42 B	0.538	0.311	0.311	0.227	0.368	0.283	0.311	---	---	27
28	---	---	1.13 B	0.566	0.623	0.283	0.221	0.340	0.283	0.311	---	---	28
29	---		0.7938	0.623	0.481	0.283	0.207	0.311	0.283	0.311	---	---	29
30	---		0.7088	0.566	0.510	0.272	0.204	0.283	0.283	0.311	---	---	30
31	---		0.5668		0.883		0.210	0.283		0.283A			31
TOTAL	---	---	18.327	15.867	12.418	17.145	7.602	8.278	8.911	9.899	---	---	TOTAL
MEAN	---	---	0.591	0.532	0.401	0.572	0.252	0.267	0.297	0.319	---	---	MEAN
MAX	---	---	2.41	1.13	0.883	3.96	0.595	0.705	0.481	0.481	---	---	MAX
MIN	---	---	0.113	0.283	0.272	0.272	0.198	0.204	0.268	0.283	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.403
MAXIMUM DAILY, 3.96 ON JUN 11
MINIMUM DAILY, 0.113B ON MAR 1
MAXIMUM INSTANTANEOUS,
8.17 AT 05:00 MST ON JUN 11

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 58 15 N
LONG 113 03 19 W
DRAINAGE AREA, 155 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	574
FEB	---	AUG	710
MAR	1 580	SEP	770
APR	1 340	OCT	855
MAY	1 070	NOV	---
JUN	1 480	DEC	---

TOTAL DISCHARGE, 8 530 dam³

NORTH MILK RIVER NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1608	8.14	18.9	21.8	20.1	17.7	18.8A	18.8	0.4218	---	1
2	---	---	0.1388	11.9	17.8	20.8	20.2	17.8	18.8A	18.8	---	---	2
3	---	---	0.1408	14.0	18.7	20.8	20.1	17.4	18.8A	18.8	---	---	3
4	---	---	0.1608	15.4	14.3	21.0	20.0	17.0	18.3A	18.8	---	---	4
5	---	---	0.1708	16.9	12.7	21.1	19.8	17.2	18.4A	18.7	---	---	5
6	---	---	0.1608	18.8	14.3	20.9	19.8	17.1	18.8A	18.8	---	---	6
7	---	---	0.2508	18.7	18.8	20.8	19.8	16.8	18.4	17.0	---	---	7
8	---	---	0.2348	19.8	18.3	20.8	19.8	16.8	18.4	16.7	---	---	8
9	---	---	0.2108	19.4	19.3	20.8	18.8	17.0	18.4	16.8	---	---	9
10	---	---	4.27 B	19.3	19.8	22.1	19.8	17.1	18.3	16.8	---	---	10
11	---	---	7.84 B	19.2	20.0	27.6	19.7	17.2	18.2	17.0	---	---	11
12	---	---	7.43 B	19.5	20.2	18.7	19.5	17.0	18.4	16.8	---	---	12
13	---	---	8.27 B	19.6	20.4	20.3	19.8	16.8	18.5	17.0	---	---	13
14	---	---	7.17 B	19.9	20.6	20.8	18.5	16.9	18.5	16.8	---	---	14
15	---	---	8.88 B	19.8	20.9	20.4	17.4	17.0	18.4	16.6	---	---	15
16	---	---	8.11 B	19.8	20.6	20.4	18.4	16.7	18.4	16.8	---	---	16
17	---	---	8.11 B	17.8	20.7	20.6	18.4	16.8	18.5	16.2	---	---	17
18	---	---	8.10 B	12.8	20.8	20.5	18.4	16.6	17.0	15.8	---	---	18
19	---	---	8.08 B	7.80	21.0	20.7	18.3	16.6	16.7	15.7	---	---	19
20	---	---	8.88 B	8.14	19.8	20.4	18.1	16.8	16.8	15.8	---	---	20
21	---	---	8.86 B	4.88	18.8	20.7	18.8	16.8	16.8	15.8	---	---	21
22	---	---	9.19 B	7.81	20.3	20.8	18.8	16.8	16.8	15.8	---	---	22
23	---	---	10.2 B	11.0	20.3	20.8	18.8	16.8A	16.8	15.3	---	---	23
24	---	---	10.0 B	11.4	20.8	20.8	18.8	17.1A	16.4	13.8	---	---	24
25	---	---	10.8 B	11.7	20.4	21.2	18.8	16.2A	16.4	9.58	---	---	25
26	---	---	12.8 B	12.8	20.8	21.1	18.2	16.8A	16.8	8.30	---	---	26
27	---	---	14.0 B	13.1	20.8	20.8	18.0	16.3A	16.8	3.10	---	---	27
28	---	---	14.0	14.8	21.8	20.8	17.8	16.2A	16.7	1.20	---	---	28
29	---		10.8	17.3	20.8	20.4	17.6	16.1A	16.7	0.5838	---	---	29
30	---		8.84	18.0	20.8	20.3	17.8	16.8A	16.7	0.3738	---	---	30
31	---		7.38		21.8		17.8	17.0A		0.2808			31
TOTAL	---	---	181.838	448.85	601.0	627.6	564.4	533.8	495.8	414.906	---	---	TOTAL
MEAN	---	---	5.87	15.0	19.4	20.8	18.8	16.8	16.8	13.4	---	---	MEAN
MAX	---	---	14.0	19.9	21.8	27.6	20.2	18.2	17.0	17.0	---	---	MAX
MIN	---	---	0.138	4.88	12.7	18.7	17.4	16.1	16.2	0.280	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 16.8
MAXIMUM DAILY, 27.6 ON JUN 11
MINIMUM DAILY, 0.138B ON MAR 3
MAXIMUM INSTANTANEOUS,
31.2 AT 05:00 MST ON JUN 11

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 01 19 N
LONG 113 38 18 W
DRAINAGE AREA, 338 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1916

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	50 500
FEB	---	AUG	45 300
MAR	15 700	SEP	42 800
APR	35 800	OCT	35 800
MAY	51 800	NOV	---
JUN	54 200	DEC	---

TOTAL DISCHARGE, 335 000 dam³

NORTH RAM RIVER AT FORESTRY ROAD - STATION NO. 05DC011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.63A	2.02	3.16	3.84	5.93	2.81	1.318	---	1
2	---	---	---	---	2.11	2.16	3.00	5.88	5.63	2.87	---	---	2
3	---	---	---	---	1.888	2.16	2.90	5.81	7.88	2.84	---	---	3
4	---	---	---	---	2.078	2.20	2.82	5.72	7.43	2.48	---	---	4
5	---	---	---	---	2.838	2.32	2.82	5.25	7.38	2.48	---	---	5
6	---	---	---	---	3.68	2.42	2.88	4.83	6.89	2.86	---	---	6
7	---	---	---	---	4.82	2.43	2.68	4.44	7.31	2.37	---	---	7
8	---	---	---	---	5.02	2.38	2.89	4.81	7.31	2.27	---	---	8
9	---	---	---	---	5.28	2.40	2.84	4.81	7.88	2.31	---	---	9
10	---	---	---	---	5.27	2.58	2.87	4.83	7.19	2.33	---	---	10
11	---	---	---	---	5.01	2.51	5.50	4.28	7.01	2.38	---	---	11
12	---	---	---	---	4.23	2.42	5.16	4.13	6.78	2.38	---	---	12
13	---	---	---	---	3.62	2.44	5.02	4.13	6.27	2.15	---	---	13
14	---	---	---	---	3.38	2.44	5.01	3.86	5.88	2.08	---	---	14
15	---	---	---	---	3.12	2.42	5.04	3.88	5.74	1.93	---	---	15
16	---	---	---	---	3.08	3.38	5.13	8.33	5.83	1.78	---	---	16
17	---	---	---	---	3.01	3.68	4.78	13.0	5.40	1.88	---	---	17
18	---	---	---	---	2.89	3.53	4.38	11.4	5.09	1.80	---	---	18
19	---	---	---	---	2.88	3.80	4.03	11.1	4.72	1.83	---	---	19
20	---	---	---	---	2.48	3.84	3.78	10.4	4.83	1.74	---	---	20
21	---	---	---	---	2.34	3.81	3.86	9.30	4.18	1.78	---	---	21
22	---	---	---	---	2.21	3.48	3.43	8.28	3.84	1.73	---	---	22
23	---	---	---	---	2.12	3.42	3.27	7.35	3.74	1.88	---	---	23
24	---	---	---	---	2.16	3.48	3.13	6.87	3.58	1.86	---	---	24
25	---	---	---	---	2.11	3.49	2.98	6.86	3.38	1.80	---	---	25
26	---	---	---	---	1.97	3.38	2.92	8.13	3.25	1.57	---	---	26
27	---	---	---	---	1.86	3.70	2.83	8.68	3.14	1.58	---	---	27
28	---	---	---	---	1.81	3.46	2.88	8.63	3.04	1.44	---	---	28
29	---		---	---	1.74	3.33	2.86	8.88	2.82	1.35	---	---	29
30	---		---	---	1.80	3.28	2.80	8.78	2.84	1.40	---	---	30
31	---		---		1.88		4.85	8.22		1.278		---	31
TOTAL	---	---	---	---	80.84	87.38	110.14	198.18	181.84	81.27	---	---	TOTAL
MEAN	---	---	---	---	2.82	2.91	3.85	6.39	5.39	1.88	---	---	MEAN
MAX	---	---	---	---	5.27	3.70	5.50	13.0	7.88	2.81	---	---	MAX
MIN	---	---	---	---	1.74	2.02	2.80	3.84	2.84	1.27	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.85
MAXIMUM DAILY, 13.0 ON AUG 17
MINIMUM DAILY, 1.278 ON OCT 31
MAXIMUM INSTANTANEOUS,
16.1 AT 21:10 MST ON AUG 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 16 55 N
LONG 115 59 30 W
DRAINAGE AREA, 348 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	9 520
FEB	---	AUG	17 100
MAR	---	SEP	14 000
APR	---	OCT	8 390
MAY	7 820	NOV	---
JUN	7 860	DEC	---

TOTAL DISCHARGE, 81 300 dam³

NORTH SASKATCHEWAN RIVER AT EDMONTON - STATION NO. 05DF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	110 B	114 B	88.2B	1188	318	202	280	225	408	180	205	138 B	1
2	108 B	108 B	96.2B	1238	241	187	248	223	483	184	188	138 B	2
3	107 B	95.0B	91.0B	1328	273	208	268	438	430	183A	178	138 B	3
4	94.0B	91.0B	87.0B	1488	304	170	333	611	430	187E	173	135 B	4
5	84.0B	73.3B	76.0B	3008	284	147	227	883	431	178A	178	134 B	5
6	80.0B	84.4B	85.5B	3018	296	143	209	711	431	147	185	130 B	6
7	84.3B	82.6B	88.0B	2048	287	151	230	687	431	148	187	130 B	7
8	103 B	78.0B	88.7B	1888	301	208	253	487	408	138	185	130 B	8
9	88.2B	81.0B	88.0B	1688	303	216	302	381	413	182	188	130 B	9
10	85.4B	101 B	102 B	1588	301	230	338	388	339	188	183	130 B	10
11	108 B	91.3B	103 B	1888	318	280	383	343	307	141	171	105 B	11
12	100 B	88.0B	94.0B	1838	310	237	488	322	318	188	174	105 B	12
13	90.0B	88.2B	86.0B	2388	298	276	518	345	328	200	185	105 B	13
14	85.0B	87.0B	86.7B	2868	293	227	602	318	308	201	148	105 B	14
15	86.0B	83.7B	74.6B	2748	273	220	428	314	311	188	188	111 B	15
16	87.0B	83.0B	80.2B	2718	284	238	381	314	247	188	1888	116 B	16
17	80.0B	84.7B	82.4B	2888	280	222	345	338	240	177	1888	117 B	17
18	82.0B	102 B	80.0B	2418	280	246	388	887	282	177	1888	110 B	18
19	89.0B	87.0B	88.3B	228	303	317	418	781	210	182	1788	107 B	19
20	88.0B	83.8B	85.8B	217	322	318	388	883	248	178	1788	103 B	20
21	88.0B	77.8B	80.5B	220	404	284	383A	838	230	177	1718	97.0B	21
22	86.0B	78.0B	86.1B	330	338	274	384	806	223	188	1808	94.0B	22
23	80.0B	80.4B	128 B	332	278	248	341	881	217	182	1808	86.0B	23
24	88.0B	80.5B	138 B	324	248	238	428	832	210	177	1488	88.0B	24
25	86.0B	88.4B	108 B	348	283	234	330A	801	198	194	1438	110 B	25
26	85.0B	80.8B	118 B	280	240	214	234	483	190	232	1428	130 B	26
27	85.0B	86.8B	94.0B	283	230	228	248	457	188	284	1408	180 B	27
28	85.0B	81.8B	83.8B	288	228	283	224	438	184	224	1388	184 B	28
29	86.0B		110 B	338	214	282	218	422	181	213	1378	187 B	29
30	84.0B		102 B	304	218	278	234	418	198	188	1388	187 B	30
31	103 B		121 B		203		211	434		181		187 B	31
TOTAL	3 029.3	2 444.2	3 016.1	8 888	8 838	8 854	8 810	14 838	8 841	5 888	4 871	3 813.0	TOTAL
MEAN	84.5	87.3	87.3	222	278	232	318	478	288	180	182	123	MEAN
MAX	110	114	138	338	404	318	818	883	483	288	205	187	MAX
MIN	85.0	82.8	74.6	118	203	143	208	222	181	138	138	88.0	MIN

SUMMARY FOR THE YEAR 1989

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 218
MAXIMUM DAILY, 883 ON AUG 6
MINIMUM DAILY, 82.8B ON FEB 7
MAXIMUM INSTANTANEOUS,
831 AT 17:17 MST ON AUG 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 32 15 N
LONG 113 35 04 W
DRAINAGE AREA, 28 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1950

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	283 000	JUL	848 000
FEB	211 000	AUG	1 330 000
MAR	281 000	SEP	773 000
APR	570 000	OCT	483 000
MAY	748 000	NOV	421 000
JUN	801 000	DEC	329 000

TOTAL DISCHARGE, 6 780 000 dam³

NORTH SASKATCHEWAN RIVER AT WHIRLPOOL POINT - STATION NO. 05DA009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.528	4.578	4.778	5.418	19.9	55.8	124	223	72.9	44.7	12.0 B	9.908	1
2	5.728	4.408	4.848	5.388	20.7	52.2	111	266	75.7	38.5	12.1 B	9.698	2
3	5.868	4.678	4.848	5.268	20.1	55.0	103	217	76.0	31.7	12.2 B	10.0 B	3
4	7.058	5.408	4.888	5.858	20.3	105	101	187	71.0	28.7	12.2 B	10.7 B	4
5	5.948	5.808	4.838	5.708	23.0	131	101	193	68.9	29.2	11.8 B	9.848	5
6	5.728	5.868	4.868	5.508	31.0	168	103	188	61.0	28.4	11.1 B	9.688	6
7	5.518	5.888	5.088	5.418	40.8	174	114	203	58.2	28.8	9.988	9.498	7
8	5.408	5.888	5.158	5.508	47.5	184	138	207	58.7	28.3	9.848	9.328	8
9	5.478	5.938	5.238	5.428	54.5	188	127	210	54.3	28.7	9.898	9.138	9
10	5.648	5.938	5.288	5.408	57.9	170	125	188	50.0	28.2	10.9 B	8.948	10
11	5.788	5.958	5.258	5.758	58.6	183	139	184	48.6	34.0	10.0 B	8.738	11
12	5.818	5.928	5.088	6.128	60.3	177	148	184	46.6	30.7	9.788	8.588	12
13	5.888	5.778	4.888	6.388	43.1	183	167	180	48.6	27.8	9.388	8.578	13
14	6.628	5.588	4.778	6.608	38.6	218	187	194	58.6	26.6	9.018	8.828	14
15	6.738	5.368	4.828	7.688	38.3	250	214	188	61.4	23.1	9.318	8.818	15
16	6.788	5.108	4.478	7.888	40.8	230	237	185	57.5	20.4	9.318	8.388	16
17	6.608	4.688	4.378	7.608	41.6	174	218	161	48.3	18.4	8.818	7.488	17
18	6.638	4.678	4.348	7.708	41.0	140	200	138	40.4	20.1	8.658	7.458	18
19	6.488	4.508	4.388	8.508	38.7	133	187	148	35.5	19.8	8.788	8.648	19
20	6.408	4.408	4.418	9.208	32.1	118	210	180	33.9	18.2	8.788	8.778	20
21	6.488	4.568	4.508	8.958	28.2	97.5	238	188	31.8	19.8	8.488	8.648	21
22	6.288	4.738	4.738	10.8 B	27.0	83.8	208	178	33.7	20.8	8.288	8.818	22
23	6.668	4.818	5.058	10.8 B	28.8	102	181	163	38.1	18.4	8.328	8.788	23
24	6.858	5.058	5.858	10.8 B	28.8	118	178	142	46.6	18.2	8.708	8.938	24
25	6.678	5.088	5.858	10.4 B	27.8	118	173	130	47.2	18.0	8.868	7.118	25
26	6.208	5.068	6.828	10.3	28.3	123	171	118	46.2	18.2	8.638	7.488	26
27	6.878	5.028	6.118	10.3	28.2	137	188	110	50.6	17.6	8.718	7.728	27
28	6.078	4.878	6.238	11.8	26.3	118	201	102	51.2	18.8	8.728	7.728	28
29	6.188		6.288	13.5	25.3	95.8	208	81.6	50.8	15.18	8.888	7.688	29
30	6.328		6.358	18.2	29.1	110	208	84.8	52.1	14.08	10.2 B	7.328	30
31	6.318		6.408		37.8		219	78.9		12.78		7.118	31
TOTAL	195.10	148.30	158.85	245.91	1 088.7	4 196.2	5 230	5 157.5	1 570.8	740.0	304.78	257.43	TOTAL
MEAN	6.29	5.33	5.12	8.20	35.4	140	169	166	52.4	23.9	10.2	8.30	MEAN
MAX	7.06	5.98	6.40	15.2	57.9	250	237	266	76.7	44.7	12.2	10.8	MAX
MIN	4.87	4.40	4.34	5.40	19.8	55.8	101	78.9	31.8	12.7	9.01	8.61	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 83.6
MAXIMUM DAILY, 266 ON AUG 2
MINIMUM DAILY, 4.348 ON MAR 18
MAXIMUM INSTANTANEOUS,
266 AT 11:10 MST ON AUG 2

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT. 52 00 06 N
LONG 116 28 10 W
DRAINAGE AREA, 1 920 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	18 800	JUL	492 000
FEB	12 800	AUG	448 000
MAR	13 700	SEP	136 000
APR	21 200	OCT	63 900
MAY	82 200	NOV	26 300
JUN	363 000	DEC	22 200

TOTAL DISCHARGE, 1 870 000 dam³

NORTH SASKATCHEWAN RIVER BELOW BIGHORN PLANT - STATION NO. 05DC010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	85.2	45.2	52.8	63.8	128	23.2	83.3	88.8	117	81.8	71.7	88.7	1
2	86.2	45.8	57.8	67.0	134	0.255	87.2	91.8	86.6	44.3	70.9	83.8	2
3	81.1	47.3	61.2	71.7	146	14.2	83.7	92.8	84.4	48.1	69.7	82.5	3
4	82.4	48.2	63.3	73.3	150	48.2	80.2	78.0	84.4	30.1	77.1	78.9	4
5	85.0	48.3	58.4	76.5	142	88.1	88.8	80.2	86.0	47.7	74.6	74.7	5
6	84.8	50.8	60.1	67.8	135	81.8	81.8	75.3	86.2	86.4	88.3	76.9	6
7	38.8	51.7	60.8	71.6	124	108	87.2	74.3	83.8	70.6	80.8	73.2	7
8	38.8	48.3	61.3	76.2	130	118	88.6	101	38.4	82.2	88.7	74.0	8
9	38.8	47.4	67.8	76.6	148	118	86.6	105	84.2	86.8	78.0	86.4	9
10	39.6	51.7	69.6	76.4	138	123	78.7	122	47.6	88.0	82.8	78.0	10
11	38.6	46.3	67.1	85.4	144	86.3	78.1	101	85.6	43.0	72.9	84.6	11
12	38.3	48.0	68.0	88.1	147	71.4	83.8	138	78.1	37.6	88.1	71.4	12
13	38.7	48.0	68.0	80.6	143	73.3	72.3	122	88.1	38.8	78.0	74.6	13
14	38.1	48.9	64.1	84.2	133	76.6	85.6	126	83.1	88.0	88.3	81.8	14
15	38.0	84.7	63.1	78.8	146	77.6	72.1	128	77.3	83.8	74.7	78.1	15
16	40.0	47.8	62.6	78.4	142	120	88.3	133	88.2	88.2	82.6	78.8	16
17	40.0	48.8	83.2	77.6	144	180	88.7	100	81.1	73.8	88.4	78.7	17
18	40.8	80.3	87.0	84.6	144	188	82.3	121	83.7	88.0	83.7	72.3	18
19	41.6	48.0	83.0	87.0	136	180	85.8	122	82.4	87.8	81.7	73.1	19
20	41.7	80.2	86.6	72.7	112	122	86.1	138	81.6	88.2	88.3	83.1	20
21	42.8	84.1	85.3	72.7	104	117	84.3	138	83.1	82.8	78.0	73.8	21
22	43.3	82.8	71.0	87.4	112	108	88.6	180	81.6	78.7	86.4	70.6	22
23	44.0	83.8	86.8	86.8	106	84.0	83.4	142	47.8	78.8	87.8	88.2	23
24	41.0	83.4	87.4	87.0	97.0	88.8	88.3	149	44.2	88.1	88.3	88.8	24
25	41.8	84.8	88.7	74.3	102	89.4	81.0	148	47.8	84.1	84.8	87.0	25
26	42.8	88.1	86.6	150	88.8	88.4	85.8	138	48.8	71.8	82.0	70.1	26
27	43.4	84.3	87.1	138	84.8	88.8	84.2	134	83.0	78.1	71.8	88.0	27
28	42.2	83.8	88.8	126	88.4	101	78.3	134	82.3	87.1	78.8	82.8	28
29	41.8		84.4	137	88.3	84.2	88.1	128	88.3	77.1	87.0	84.8	29
30	44.3		88.7	108	80.8	112	74.2	122	84.1	71.3	72.8	88.1	30
31	43.8		87.8		87.1		88.4	113		78.3		87.8	31
TOTAL	1 416.1	1 411.8	1 865.2	2 428.1	3 841.4	2 818.655	2 478.8	3 588.1	1 928.8	2 003.8	2 236.2	2 228.7	TOTAL
MEAN	45.8	50.4	83.1	81.0	124	94.0	80.0	116	84.3	84.8	74.8	71.8	MEAN
MAX	88.2	85.1	71.0	150	150	180	88.8	180	117	82.8	88.4	81.8	MAX
MIN	38.8	45.2	82.8	88.8	87.1	0.255	82.3	88.8	38.4	30.1	80.8	88.4	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 77.7
MAXIMUM DAILY, 180 ON JUN 17
MINIMUM DAILY, 0.255 ON JUN 2

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT. 52 18 38 N
LONG 116 18 21 W
DRAINAGE AREA, 3 880 km²

REGULATED SINCE 1972

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	122 000	JUL	214 000
FEB	122 000	AUG	311 000
MAR	168 000	SEP	166 000
APR	210 000	OCT	173 000
MAY	332 000	NOV	193 000
JUN	244 000	DEC	193 000

TOTAL DISCHARGE, 2 480 000 dam³

NORTH SASKATCHEWAN RIVER NEAR LODGEPOLE - STATION NO. 05DE006

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	2.858	2.850	2.857	3.534	2.887	---	---	1
2	---	---	---	---	---	2.783	2.945	3.026	3.440	---	---	---	2
3	---	---	---	---	---	---	2.878	2.878	3.535	3.469	---	---	3
4	---	---	---	---	3.180A	2.878	2.885	4.013	3.456	---	---	---	4
5	---	---	---	---	3.118	2.906	2.812	3.787	3.406	---	---	---	5
6	---	---	---	---	3.118	2.751	2.881	3.580	3.484	---	---	---	6
7	---	---	---	---	3.131	2.837	2.782	3.458	3.434	---	---	---	7
8	---	---	---	---	3.148	2.857	2.858	3.271	3.446	---	---	---	8
9	---	---	---	---	3.134	2.855	2.788	3.188	3.182	---	---	---	9
10	---	---	---	---	3.169	2.889	2.878	3.306	3.230	---	---	---	10
11	---	---	---	---	3.188	2.885	3.248	3.170	3.214	---	---	---	11
12	---	---	---	---	3.110	2.877	3.802	3.210	3.283	---	---	---	12
13	---	---	---	---	3.110	2.826	3.412	3.178	3.188	---	---	---	13
14	---	---	---	---	3.048	2.861	3.280	3.128	3.183	---	---	---	14
15	---	---	---	---	2.988	2.801	3.081	3.188	2.978	---	---	---	15
16	---	---	---	---	2.882	2.886	3.080	3.202	2.898	---	---	---	16
17	---	---	---	---	3.015	3.088	3.105	3.788	2.848	---	---	---	17
18	---	---	---	---	2.887	3.218	3.183	4.148	2.820	---	---	---	18
19	---	---	---	---	3.058	3.185	3.088	4.078	3.007	---	---	---	19
20	---	---	---	---	2.882	3.121	3.040	3.819	2.988	---	---	---	20
21	---	---	---	---	2.815	3.015	3.058	3.471	2.887	---	---	---	21
22	---	---	---	---	2.828	2.883	3.055	3.824	2.828	---	---	---	22
23	---	---	---	---	2.795	2.906	3.048	3.870	2.882	---	---	---	23
24	---	---	---	---	2.818	2.888	3.037	3.847	2.798	---	---	---	24
25	---	---	---	---	2.788	2.841	2.888	3.802	2.815A	---	---	---	25
26	---	---	---	---	2.780	2.843	2.958	3.850	2.843	---	---	---	26
27	---	---	---	---	2.770	3.032	2.889	3.693	2.778	---	---	---	27
28	---	---	---	---	2.778	3.088	2.841	3.443	2.788	---	---	---	28
29	---		---	---	2.775	3.026	2.824	3.426	2.857	---	---	---	29
30	---		---	---	2.700	3.028	2.831	3.446	2.741	---	---	---	30
31	---		---		2.814		2.888	3.414		---		---	31
MEAN	---	---	---	---	---	2.897	2.959	3.503	3.104	---	---	---	MEAN
MAX	---	---	---	---	---	3.218	3.802	4.148	3.534	---	---	---	MAX
MIN	---	---	---	---	---	2.858	2.889	2.857	2.741	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 4.148 ON AUG 18

MAXIMUM INSTANTANEOUS,
4.316 AT 17:01 MST ON AUG 3

WATER LEVELS ARE REFERRED TO ASSUMED DATUM
APPLY 784.880 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 03 05 N
LONG 115 12 33 W

A - MANUAL GAUGE

REGULATED SINCE 1960

DRAINAGE AREA,
20 800 km²

NORTH SASKATCHEWAN RIVER NEAR ROCKY MOUNTAIN HOUSE - STATION NO. 05DC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	177	137	177	138	248	121	118	---	1
2	---	---	---	---	204	73.5	142	188	241	113	108	---	2
3	---	---	---	---	181	88.6	147	232	262	88.1	112	---	3
4	---	---	---	---	203	82.6	135	324	238	88.3	118	---	4
5	---	---	---	---	208	103	148	300	218	84.0	118	---	5
6	---	---	---	---	208	183	140	187	219	81.3	111	---	6
7	---	---	---	---	218	188	137	172	202	134	107	---	7
8	---	---	---	---	208	187	133	184	200	131	88.1	---	8
9	---	---	---	---	232	184	133	187	188	108	108	---	9
10	---	---	---	---	227	188	144	187	200	117	118	---	10
11	---	---	---	---	221	188	178	186	187	114	122	---	11
12	---	---	---	---	221	188	228	181	183	91.8	108	---	12
13	---	---	---	---	203	147	208	188	188	87.8	87.0	---	13
14	---	---	---	---	188	181	188	184	188	82.8	108	---	14
15	---	---	---	---	187	183	170	182	188	104	---	---	15
16	---	---	---	---	187	184	187	208	177	88.0	---	---	16
17	---	---	---	---	184	218	178	306	182	118	---	---	17
18	---	---	---	---	188	227	188	288	183	113	---	---	18
19	---	---	---	---	188	218	188	271	148	118	---	---	19
20	---	---	---	84.8	177	210	188	288	141	113	---	---	20
21	---	---	---	81.8	188	172	187	288	130	132	---	---	21
22	---	---	---	71.1	147	170	187	283	127	128	---	---	22
23	---	---	---	78.8	147	183	188	259	132	128	---	---	23
24	---	---	---	84.2	148	182	148	241	117	120	---	---	24
25	---	---	---	89.3	138	181	148	243	107	113	---	---	25
26	---	---	---	133	148	148	138	238	108	108	---	---	26
27	---	---	---	170	132	172	138	227	111	118	---	---	27
28	---	---	---	188	138	182	118	223	148	118	---	---	28
29	---		---	188	138	173	128	232	140	123	---	---	29
30	---		---	172	138	184	138	238	121	118	---	---	30
31	---		---		118		138	247		108		---	31
TOTAL	---	---	---	---	5 580	4 758.2	4 778	6 770	5 104	3 431.8	---	---	TOTAL
MEAN	---	---	---	---	178	158	154	218	170	111	---	---	MEAN
MAX	---	---	---	---	227	227	228	306	262	134	---	---	MAX
MIN	---	---	---	---	118	88.8	118	138	107	84.0	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 188
MAXIMUM DAILY, 306 ON AUG 17
MINIMUM DAILY, 88.8 ON JUN 3
MAXIMUM INSTANTANEOUS,
334 AT 11:28 MST ON AUG 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 32 51 N
LONG 114 56 21 W
DRAINAGE AREA, 11 000 km²

REGULATED SINCE 1972

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	413 000
FEB	---	AUG	585 000
MAR	---	SEP	441 000
APR	---	OCT	284 000
MAY	480 000	NOV	---
JUN	411 000	DEC	---

TOTAL DISCHARGE, 2 630 000 dam³

NOSE CREEK NEAR THE MOUTH - STATION NO. 05BN001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	0.335	0.813	0.285	0.102	0.238	---	---	1
2	---	---	---	---	---	0.342	0.202	0.389	0.662	0.103	---	---	2
3	---	---	---	---	---	0.528	0.164	0.134	1.81	0.101	---	---	3
4	---	---	---	---	---	0.563	0.178	0.105	0.168	0.116	---	---	4
5	---	---	---	---	---	0.457	0.193	0.080	0.923	0.143	---	---	5
6	---	---	---	---	---	1.78	0.188	0.072	0.385	0.185	---	---	6
7	---	---	---	---	---	0.662	0.207	0.087	0.487	0.170	---	---	7
8	---	---	---	---	---	1.17	0.288	0.101	0.218	0.224	---	---	8
9	---	---	---	---	---	1.64	0.257	0.132	0.198	0.231	---	---	9
10	---	---	---	---	---	0.247	3.03	0.188	0.226	0.351	---	---	10
11	---	---	---	---	---	0.100	0.577	0.182	0.205	0.300	---	---	11
12	---	---	---	---	---	0.124	0.173	0.148	0.202	0.228	---	---	12
13	---	---	---	---	---	0.110	0.384	0.121	0.208	0.284	---	---	13
13	---	---	---	---	---	0.118	0.411	0.123	0.188	0.284	---	---	14
14	---	---	---	---	---	0.200	0.430	0.204	0.188	0.287	---	---	15
15	---	---	---	---	---	1.18	0.634	0.881	0.178	0.288	---	---	16
16	---	---	---	---	---	0.149	0.441	0.283	0.480	0.287	---	---	17
17	---	---	---	---	---	0.111	0.328	0.085	0.202	0.423	---	---	18
18	---	---	---	---	---	0.180	0.300	2.71	0.158	0.388	---	---	19
19	---	---	---	---	---	0.170	1.46	0.804	0.148	0.141	---	---	20
21	---	---	---	---	---	0.210	0.800	0.102	0.181	0.383	---	---	21
22	---	---	---	---	0.186	0.620	0.192	0.088	0.173	0.843	---	---	22
23	---	---	---	---	0.588	1.36	0.122	0.088	0.139	0.374	---	---	23
24	---	---	---	---	0.341	0.178	0.108	0.104	0.152	0.333	---	---	24
25	---	---	---	---	0.118	0.859	0.101	0.183	0.121	0.412	---	---	25
26	---	---	---	---	0.117	0.823	0.101	0.319	0.120	0.516	---	---	26
27	---	---	---	---	0.803	0.588	0.111	0.178	0.133	0.484	---	---	27
28	---	---	---	---	0.203	0.188	1.07	1.30	0.150	0.548	---	---	28
29	---	---	---	---	0.197	0.184	0.130	0.140	0.138	0.545	---	---	29
30	---	---	---	---	0.821	0.705	0.120	0.327	0.223	0.574	---	---	30
31	---	---	---	---	0.228		0.723	0.108		3.12		---	31
TOTAL	---	---	---	---	---	15.107	14.018	9.502	8.805	11.448	---	---	TOTAL
MEAN	---	---	---	---	---	0.504	0.452	0.307	0.287	0.369	---	---	MEAN
MAX	---	---	---	---	---	1.78	3.03	2.71	1.81	3.12	---	---	MAX
MIN	---	---	---	---	---	0.100	0.101	0.072	0.102	0.101	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 3.03 ON JUL 10

MAXIMUM INSTANTANEOUS,
11.6 AT 16:36 MST ON AUG 19

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 03 00 N
LONG 114 01 00 W
DRAINAGE AREA, 988 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 310
FEB	---	AUG	831
MAR	---	SEP	743
APR	---	OCT	988
MAY	---	NOV	---
JUN	1 310	DEC	---

NOTIKEWIN RIVER AT MANNING - STATION NO. 07HC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.8408	0.2538	0.1878	0.2878	142	85.0	7.88	14.1	28.2	28.6	8.108	4.138	1
2	0.8328	0.2478	0.1908	0.3338	181	73.3	6.15	20.8	22.2	88.1	8.888	4.088	2
3	0.8268	0.2408	0.1928	0.2808	154	61.8	8.28	23.7	20.3	83.8	8.978	3.888	3
4	0.8188	0.2408	0.1948	0.2808	117	50.8	8.38	21.4	18.4	82.0	7.448	3.848	4
5	0.8108	0.2348	0.1988	0.3088	107	43.1	9.20	22.8	18.0	43.7	7.408	3.888	5
6	0.8008	0.2308	0.1888	0.8818	101	48.4	11.0	25.8	17.3	37.2	8.788	3.748	6
7	0.8808	0.2278	0.2018	0.7838	82.8	58.3	18.8	22.3	17.7	31.8	8.838	3.388	7
8	0.8808	0.2278	0.2018	0.7948	84.8	88.3	23.2	18.8	28.8	28.8	8.188	3.248	8
9	0.8758	0.2308	0.1948	1.08 E	78.1	46.8	21.3	18.7	27.8	26.8	8.888	3.088	9
10	0.8738	0.2348	0.1948	1.43 E	87.8	47.8	18.4	13.8	24.8	22.7	8.388	2.888	10
11	0.8658	0.2348	0.1908	1.32 E	88.8	42.8	16.2	15.3	21.3	20.8	8.288	2.888	11
12	0.8668	0.2238	0.1908	1.04 E	82.8	38.8	13.8	44.8	18.8	19.3	8.138	2.478	12
13	0.8888	0.2208	0.1948	1.28 E	47.1	31.1	11.7	82.8	18.8	17.8	8.108	2.838	13
14	0.8678	0.2058	0.1948	1.32 E	41.7	28.8	8.80	60.3	14.8	18.8	8.048	2.428	14
15	0.8678	0.1988	0.1908	1.43 E	38.8	23.4	8.48	30.8	13.8	18.8	4.848	2.388	15
16	0.8678	0.1888	0.1878	1.44 E	32.1	20.7	7.43	28.2	12.8	13.2	8.008	2.288	16
17	0.8488	0.1888	0.1878	1.63 E	28.8	26.2	8.71	23.8	12.7	10.8	4.878	2.188	17
18	0.8328	0.2018	0.1878	1.70 E	28.4	28.8	8.28	23.4	13.2	9.88	4.888	2.058	18
19	0.8078	0.2088	0.1868	2.88 E	26.1	24.2	8.34	20.4	15.8	12.8	4.848	2.008	19
20	0.4748	0.2088	0.2088	3.71 E	23.8	23.8	7.00	22.8	16.3	13.4	4.888	1.918	20
21	0.4338	0.2088	0.2128	4.22 E	28.8	20.8	8.40	22.1	18.7	12.3	4.718	1.828	21
22	0.4188	0.2088	0.2188	7.81 E	32.8	18.1	11.8	20.3	14.8	11.3	4.538	1.788	22
23	0.4188	0.2018	0.2208	10.7 E	40.1	17.4	13.2	23.8	14.3	11.8	4.388	1.708	23
24	0.4418	0.1988	0.2278	18.3 E	51.8	16.8	11.7	43.8	14.8	11.8	4.288	1.778	24
25	0.4888	0.1948	0.2308	28.8 E	74.8	13.8	10.8	88.8	14.8	11.8	4.028	1.888	25
26	0.4888	0.1908	0.2128	28.8 E	88.8	11.8	10.2	83.8	13.8	10.8	3.818	1.818	26
27	0.4748	0.1808	0.2128	82.8 E	134	10.1	9.88	84.8	13.4	10.3	3.818	2.038	27
28	0.4838	0.1878	0.2188	78.8 E	188	8.18	13.4	44.2	12.8	8.488	3.888	2.038	28
29	0.4338		0.2238	108	157	8.34	18.4	37.4	12.4	7.108	3.888	2.008	29
30	0.3488		0.2348	123	123	7.88	13.1	32.8	14.8	8.818	4.068	1.818	30
31	0.2808		0.2438		103		12.8	28.3		8.888		1.888	31
TOTAL	18.138	8.027	8.318	483.807	2 481.8	880.44	388.04	838.3	818.2	883.98	188.37	78.88	TOTAL
MEAN	0.528	0.218	0.284	18.1	78.1	33.8	11.8	30.2	17.3	21.1	8.18	3.87	MEAN
MAX	0.848	0.283	0.243	123	188	88.8	33.3	88.8	28.8	88.1	7.44	4.13	MAX
MIN	0.288	0.187	0.187	8.287	23.8	7.88	8.38	13.8	12.4	8.88	3.88	1.78	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.2
MAXIMUM DAILY, 188 ON MAY 28
MINIMUM DAILY, 0.1878 ON FEB 28
MAXIMUM INSTANTANEOUS,
188 AT 00:00 MST ON MAY 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 88 88 18 N
LONG 117 37 08 W
DRAINAGE AREA, 4 880 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 340	JUL	30 800
FEB	821	AUG	80 800
MAR	848	SEP	44 800
APR	41 700	OCT	88 800
MAY	212 000	NOV	13 400
JUN	88 800	DEC	8 870

TOTAL DISCHARGE, 878 000 dam³

OLDMAN RIVER NEAR BROCKET - STATION NO. 05AA024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.008	3.608	3.858	10.2 B	52.5	110	55.1	20.1	21.6	14.3	18.2	22.0	1
2	5.908	3.558	3.808	9.348	74.8	139	53.0	20.8	24.2	14.4	14.8	22.4	2
3	5.708	3.488	3.808	8.878	86.4	157	47.9	18.8	26.9	13.7	17.1	24.7	3
4	5.508	3.508	3.828	8.598	92.1	154	44.2	18.8	26.1	13.2	17.8	24.5	4
5	5.398	3.558	3.958	9.42	102	148	41.8	18.2	26.3	13.2	17.7	27.5	5
6	5.108	3.638	4.208	11.0	124	161	38.3	17.7	26.8	13.4	15.9	25.8	6
7	4.808	3.788	4.508	12.8	152	170	37.0	17.2	27.4	13.2	16.1	23.1	7
8	4.758	3.908	4.888	15.4	161	163	34.8	17.5	28.8	12.8	14.8	22.7	8
9	4.808	4.108	4.788	13.1	158	155	33.7	17.4	28.1	12.5	15.0	23.8	9
10	4.858	4.238	4.858	10.8	169	157	38.3	16.8	26.3	12.3	16.3	17.4 B	10
11	4.738	4.338	4.848	10.7	173	170	42.1	16.8	28.7	12.8	81.7	8.268	11
12	4.788	4.408	4.808	12.0	148	156	35.0	16.1	25.0	13.3	62.8	7.408	12
13	4.808	4.448	4.788	14.0	134	148	37.4	14.8	23.8	14.8	85.0	8.478	13
14	4.808	4.428	4.808	16.0	108	141	82.2	15.3	22.8	16.0	81.8	8.308	14
15	4.808	4.408	4.858	20.0	85.0	132	63.8	15.0	21.8	18.2	41.5	8.808	15
16	4.638	4.358	4.858	38.3	92.5	130	56.0	14.1	20.8	18.7	37.5	8.308	16
17	4.808	4.308	5.108	36.0	88.3	118	50.3	13.5	20.2	15.5	37.8	7.808	17
18	4.958	4.288	5.408	37.3	88.5	100	44.8	13.3	20.7	14.3	34.8	7.858	18
19	5.058	4.308	5.908	31.2	89.2	83.1	38.6	13.1	20.0	14.8	34.3	7.108	19
20	5.008	4.348	6.438	42.8	80.5	88.8	36.8	12.7	19.2	14.4	38.5	8.808	20
21	4.908	4.408	7.108	88.8	74.0	81.8	34.4	12.4	18.3	17.7	38.1	8.808	21
22	4.708	4.448	7.808	67.8	70.7	75.0	31.5	13.1	17.8	24.3	35.1	12.5 B	22
23	4.408	4.488	8.308	68.2	73.8	72.5	29.7	11.8	16.8	23.7	30.2	23.0 B	23
24	4.208	4.428	9.108	71.8	80.0	68.8	28.0	12.8	16.3	22.8	32.0	80.0 B	24
25	4.188	4.388	10.2 B	80.0	78.3	78.8	28.2	18.8	15.8	22.4	30.4	40.0 B	25
26	4.208	4.248	11.4 B	83.8	74.1	73.0	24.8	18.2	15.4	21.4	28.8	32.0 B	26
27	4.328	4.148	13.0 B	47.8	70.1	87.8	24.1	22.4	14.8	20.8	22.3	28.8 B	27
28	4.458	4.028	14.8 B	42.4	73.0	83.4	23.3	28.0	14.8	20.8	22.1	30.0 B	28
29	4.508		14.8 B	39.1	88.2	88.8	22.1	28.0	14.1	19.2	28.4	18.0 B	29
30	4.408		13.4 B	41.8	88.8	87.2	21.2	24.4	13.8	17.8	23.2	14.2 B	30
31	4.108		13.0 B		80.8		20.8	23.0		18.2		14.3 B	31
TOTAL	148.81	118.83	214.94	932.89	3 121.4	3 482.4	1 185.8	533.7	638.1	515.1	953.8	586.85	TOTAL
MEAN	4.83	4.13	6.92	31.1	101	116	37.6	17.2	21.3	16.6	31.8	18.3	MEAN
MAX	8.00	4.48	14.8	88.3	181	170	82.2	28.0	28.8	24.3	82.8	80.0	MAX
MIN	4.10	3.48	3.80	8.88	82.8	87.2	20.8	11.8	13.8	12.3	14.8	8.24	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 33.9
MAXIMUM DAILY, 181 ON MAY 8
MINIMUM DAILY, 3.488 ON FEB 3
MAXIMUM INSTANTANEOUS,
198 AT 08:50 MST ON MAY 8

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 33 37 N
LONG 113 48 30 W
DRAINAGE AREA, 4 400 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	12 900	JUL	101 000
FEB	8 880	AUG	48 100
MAR	18 500	SEP	55 100
APR	80 600	OCT	44 500
MAY	270 000	NOV	82 400
JUN	301 000	DEC	48 000

TOTAL DISCHARGE, 1 070 000 dam³

OLDMAN RIVER NEAR LETHBRIDGE - STATION NO. 05AD007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	7.768	8.408	9.288	52.28	19.3	70.1	32.1	8.21	28.1	43.2	87.6	87.68	1
2	8.368	7.808	9.028	38.18	21.8	102	28.3	8.78	28.1	42.5	87.5	78.08	2
3	8.518	7.208	8.858	24.28	33.6	127	33.8	8.70	30.2	34.2	88.3	71.18	3
4	8.008	7.008	9.038	24.08	87.7	137	30.3	8.32	33.7	28.8	88.6	70.3	4
5	8.458	7.008	8.918	27.38	81.3	138	17.3	8.04	34.4	21.0	87.3	70.1	5
6	8.008	7.208	10.1 B	30.38	88.1	138	12.8	8.48	35.3	18.8	86.1	68.8	6
7	7.818	7.508	9.628	31.08	81.4	147	9.58	8.18	40.8	18.3	84.6	68.8	7
8	8.478	7.908	10.1 B	31.8	138	158	7.41	8.48	82.7	17.7	80.3	67.8	8
9	8.978	8.288	10.8 B	33.7	157	180	8.16	7.13	73.0	16.8	47.2	88.6	9
10	8.978	8.688	11.7 B	33.4	162	181	8.33	8.78	78.8	16.7	44.8	60.08	10
11	8.848	8.848	11.8 B	30.5	148	212	8.37	7.84	80.0	16.4	47.8	33.08	11
12	9.248	9.158	12.0 B	28.8	148	276	8.24	8.88	"8.7	18.4	88.0	30.08	12
13	8.998	9.218	13.8 B	28.8	131	312	8.77	10.8	70.8	18.2	143	30.58	13
14	10.3 B	9.228	15.0 B	23.0	107	272	8.87	8.03	58.1	20.7	148	31.08	14
15	10.7 B	9.488	17.2 B	23.7	88.8	233	10.8	8.48	57.8	27.8	141	30.88	15
16	10.8 B	9.488	17.1 B	25.8	76.4	213	28.8	8.67	58.0	31.7	188	27.08	16
17	10.9 B	9.288	16.8 B	34.8	71.7	203	30.8	8.38	58.0	32.8	187	21.08	17
18	11.1 B	9.048	16.8 B	35.8	78.8	188	21.7	7.83	58.3	31.4	151	18.08	18
19	11.0 B	8.908	15.4 B	30.2	80.8	168	18.8	8.82	58.8	30.8	144	16.08	19
20	11.3 B	8.808	13.8 B	34.3	77.1	138	12.4	10.4	58.4	30.0	139	15.88	20
21	12.1 B	8.908	13.3 B	33.1	88.3	108	8.81	11.7	83.7	34.4	138	13.88	21
22	12.0 B	9.008	13.8 B	43.8	82.8	88.1	8.80	11.0	88.1	38.4	134 B	13.88	22
23	11.8 B	9.108	16.7 B	88.8A	88.0	82.8	9.88	10.4	83.0	48.7	131 B	14.08	23
24	11.3 B	9.208	16.8 B	88.8E	84.8	75.0	8.31	8.84	83.3	53.4	128 B	16.08	24
25	10.2 B	8.648	23.1 B	80.8E	88.3	72.8	8.47	10.8	82.2	53.7	122 B	26.88	25
26	9.348	8.848	24.8 B	43.8A	81.8	75.8	7.53	10.8	81.3	88.8	121	43.08	26
27	8.868	8.908	28.8 B	38.8	48.2	73.8	8.12	22.4	88.1	88.7	118	88.08	27
28	8.488	8.748	34.8 B	30.8	81.8	88.8	8.18	32.4	88.8	88.8	87.08	84.08	28
29	8.838		43.2 B	28.8	88.3	88.8	8.11	35.2	82.3	88.1	80.08	47.08	29
30	10.4 B		80.8 B	22.2	84.8	41.8	8.84	28.7	48.2	88.8	88.48	48.08	30
31	8.178		83.8 B		88.8		8.03	28.8		88.8		41.08	31
TOTAL	303.71	243.20	573.41	1 038.2	2 432.2	4 259.7	381.10	353.01	1 844.8	1 089.8	3 004.8	1 318.8	TOTAL
MEAN	9.80	8.88	18.5	34.3	78.1	142	12.3	11.4	54.8	35.1	100	42.5	MEAN
MAX	12.1	9.80	83.8	88.8	187	312	32.1	32.4	80.8	88.8	188	87.8	MAX
MIN	7.78	7.88	8.88	22.2	18.3	41.8	8.11	8.33	28.1	18.4	44.8	13.8	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 48.8
MAXIMUM DAILY, 312 ON JUN 13
MINIMUM DAILY, 8.11 ON JUL 28
MAXIMUM INSTANTANEOUS,
321 AT 04:10 MST ON JUN 13

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 42 30 N
LONG 113 53 30 W
DRAINAGE AREA, 17 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1910

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	26 200	JUL	32 800
FEB	21 000	AUG	30 600
MAR	49 500	SEP	142 000
APR	88 800	OCT	84 100
MAY	305 000	NOV	260 000
JUN	366 000	DEC	114 000

TOTAL DISCHARGE, 1 440 000 dam³

OLDMAN RIVER NEAR THE MOUTH - STATION NO. 05AG005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.308	11.5 B	11.2B	46.0B	28.5	83.0	46.8	12.5	35.4	55.4	61.5	86.2	1
2	8.508	10.7 B	11.0B	46.5B	22.5	72.4	40.5	12.3	36.3	51.6	59.6	89.9	2
3	8.00B	10.3 B	10.8B	50.0B	20.1	103	32.3	13.2	37.7	50.6	60.7	82.7	3
4	8.15B	9.70B	10.8B	57.0B	23.4	132	27.8	14.0	37.6	48.6	60.8	73.7	4
5	8.24B	8.00B	10.9B	58.5B	48.7	142	26.1	13.3	38.7	39.7	59.2	73.0	5
6	8.50B	8.50B	11.2B	56.1B	56.9	141	22.2	13.8	43.4	34.1	58.5	73.7	6
7	8.70B	8.50B	11.6B	49.0B	58.3	141	20.0	14.1	43.7	28.1	58.4	72.3	7
8	8.80B	8.70B	12.4B	46.0B	58.9	181	18.5	14.4	45.3	27.2	57.6	71.1	8
9	10.1 B	9.00B	13.0B	44.0B	138	181	15.5	14.1	80.5	26.4	53.1	71.0	9
10	10.2 B	9.40B	14.0B	39.0B	183	181	11.4	13.4	78.8	24.5	51.1	68.0B	10
11	10.4 B	9.70B	14.4B	37.4	187	173	10.8	13.7	85.6	22.7	47.4	66.0B	11
12	10.4 B	9.80B	15.2B	34.5	188	225	10.7	13.7	86.5	21.5	48.0	35.2B	12
13	11.4 B	10.0 B	15.8B	33.5	181	300	11.0	13.6	88.5	21.8	42.8	34.8B	13
14	12.2 B	10.1 B	16.4B	30.0	140	315	12.5	13.2	81.3	22.6	147	37.5B	14
15	12.4 B	10.2 B	17.2B	28.8	117	274	18.7	16.6	83.7	24.5	162	36.0B	15
16	12.4 B	10.3 B	17.8B	26.8	88.1	238	19.0	18.4	84.2	28.0	183	36.0B	16
17	12.6 B	10.4 B	18.0B	28.4	84.7	220	18.8	17.6	82.6	36.1	178	36.4B	17
18	12.8 B	10.6 B	18.1B	31.0	78.0	208	22.1	17.1	84.7	36.4	164	26.0B	18
19	12.8 B	10.8 B	18.1B	33.4	82.3	188	28.3	16.2	88.8	37.2	156	25.3B	19
20	13.0 B	10.8 B	18.0B	33.4	87.8	188	26.3	17.3	79.1	36.8	148	22.0B	20
21	13.2 B	10.9 B	17.8B	34.5	84.4	137	23.7	18.8	70.1	34.3	141	19.0B	21
22	13.4 B	11.1 B	17.8B	34.8	77.3	104	19.8	18.8	71.7	36.1	136	19.3B	22
23	13.5 B	11.3 B	20.0B	36.3	70.7	88.1	16.9	18.8	71.2	41.4	132	25.7B	23
24	13.8 B	11.2 B	23.0B	35.6	67.5	83.2	16.3	18.0	64.8	46.2	136	35.1B	24
25	13.6 B	11.4 B	26.0B	36.4	66.3	77.8	22.1	20.4	62.8	53.6	128	44.0B	25
26	13.6 B	11.8 B	28.4B	62.0	66.4	76.8	18.7	20.7	63.3	55.8	134	55.0B	26
27	13.5 B	11.8 B	32.0B	48.0	60.7	75.4	17.8	21.6	64.7	57.4	133	56.6B	27
28	12.8 B	10.6 B	34.0B	41.7	58.5	78.2	16.3	23.1	65.1	56.6	138	56.4B	28
29	12.6 B		36.9B	38.8	64.6	85.7	14.8	41.0	66.4	51.8	106	52.0B	29
30	12.7 B		40.0B	30.6	85.2	86.1	14.4	40.3	66.4	52.8	78.6	44.0B	30
31	12.4 B		43.0B		84.0		13.4	36.9		53.8		42.0B	31
TOTAL	359.0B	287.8O	804.4	1 373.7	2 546.6	4 396.9	838.O	880.O	1 884.6	1 247.7	3 085.8	1 529.8	TOTAL
MEAN	11.6	10.3	15.5	42.5	82.2	147	20.8	18.7	81.8	40.2	103	49.3	MEAN
MAX	13.6	11.8	43.0	88.4	183	315	46.8	41.0	88.5	62.8	178	86.8	MAX
MIN	8.30	8.80	10.8	24.8	20.1	85.1	10.7	12.3	37.6	21.8	47.4	15.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 50.5
MAXIMUM DAILY, 315 ON JUN 14
MINIMUM DAILY, 8.30B ON JAN 1
MAXIMUM INSTANTANEOUS,
329 AT 22:20 MST ON JUN 13

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - RECORDING
LOCATION - LAT. 49 55 06 N
LONG 111 46 00 W
DRAINAGE AREA, 27 500 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	31 000	JUL	55 100
FEB	26 900	AUG	60 100
MAR	82 200	SEP	180 000
APR	110 000	OCT	108 000
MAY	230 000	NOV	267 000
JUN	380 000	DEC	132 000

TOTAL DISCHARGE, 1 590 000 dam³

OLDMAN RIVER NEAR WALDRON'S CORNER - STATION NO. 05AA023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.42B	1.51B	1.23B	2.46B	15.2	38.6	14.8	5.87	8.48	8.20	4.09B	8.28B	1
2	1.62B	1.46B	1.23B	2.34B	24.6	47.7	13.8	6.81	7.22	8.10	8.03B	7.84B	2
3	1.76B	1.43B	1.21B	2.33B	28.6	48.5	12.8	6.80	7.58	6.76	6.13B	7.07B	3
4	1.72B	1.42B	1.23B	2.38B	28.1	48.3	11.9	6.48	7.43	4.72	6.05B	6.81B	4
5	1.68B	1.40B	1.25B	2.80B	31.0	48.6	11.2	6.38	8.04	6.01	4.87B	6.43B	5
6	1.63B	1.40B	1.26B	3.00B	42.0E	55.1	10.6	6.36	8.35	4.82	4.65B	6.23B	6
7	1.59B	1.41B	1.31B	3.60B	55.0E	55.4	10.0	6.34	8.80	4.86	4.81B	6.49B	7
8	1.56B	1.42B	1.33B	3.68B	55.0E	50.9	9.56	6.02	8.84	4.78	4.92B	7.85B	8
9	1.54B	1.43B	1.33B	3.45B	52.0E	51.1	9.33	5.81	8.14	4.88	4.77B	7.24B	9
10	1.52B	1.43B	1.31B	3.34B	51.8E	51.0	11.9	5.80	8.24	4.58	7.80B	6.89B	10
11	1.51B	1.44B	1.29B	3.40B	50.0E	48.4	13.2	5.15	8.14	4.82	13.4 B	2.40B	11
12	1.52B	1.44B	1.27B	3.78B	42.7A	41.9	10.3	4.93	7.83	5.00	10.8 B	1.17B	12
13	1.56B	1.43B	1.25B	4.50B	38.4	43.8	11.1	4.86	7.48	5.92	9.00B	1.18B	13
14	1.58B	1.39B	1.24B	5.08B	30.7	42.2	14.8	5.15	7.10	5.80	8.00B	1.80B	14
15	1.60B	1.36B	1.23B	5.28B	27.8	39.2	13.8	5.02	6.86	5.84	7.80B	2.20B	15
16	1.62B	1.34B	1.21B	5.88	28.3	37.4	12.3	4.91	6.81	5.23	7.70B	2.60B	16
17	1.63B	1.34B	1.20B	6.86	29.6	33.8	11.3	4.75	6.48	4.58	6.30B	2.49B	17
18	1.60B	1.33B	1.21B	7.04	28.8	29.5	10.4	4.72	6.63	5.06	6.22B	2.43B	18
19	1.55B	1.35B	1.27B	6.23	26.6	27.3	9.43	4.70	6.34	5.02	6.47B	2.38B	19
20	1.51B	1.38B	1.33B	12.2	22.4	26.1	8.18	4.72	6.18	5.02	7.70B	2.30B	20
21	1.49B	1.37B	1.42B	30.3	20.8	22.8	8.58	4.84	5.89	5.83	8.28B	2.28B	21
22	1.50B	1.38B	1.49B	26.1	20.6	20.8	8.06	4.80	5.81	7.26	8.48B	2.43B	22
23	1.51B	1.37B	1.56B	22.0	23.2	19.6	7.56	4.63	5.72	8.53	8.01B	2.68B	23
24	1.53B	1.36B	1.66B	15.0	23.4	19.3	7.31	4.72	5.81	8.22	8.32B	3.10B	24
25	1.56B	1.34B	1.72B	11.6	21.7	22.6	8.83	5.28	5.81	8.07	7.06B	3.23B	25
26	1.60B	1.33B	1.81B	9.52	22.4	20.1	8.71	5.58	5.44	5.70	6.28B	3.30B	26
27	1.60B	1.31B	2.80B	8.28	20.8	18.4	8.58	5.70	5.26	5.81	6.41B	3.33B	27
28	1.61B	1.29B	3.70B	7.20	20.4	17.2	8.20	5.12	5.16	5.51	6.65B	3.30B	28
29	1.61B		3.60B	7.23	18.8	16.1	8.03	7.87	5.08	4.63B	6.08B	3.25B	29
30	1.60B		3.75B	8.21	22.7	15.6	8.66	7.13	5.07	5.10B	6.48B	3.18B	30
31	1.67B		2.55B		28.1		8.74	6.85		5.20B		3.06B	31
TOTAL	48.68	38.82	48.17	238.82	960.1	1 054.0	306.24	170.68	203.80	186.32	208.38	121.21	TOTAL
MEAN	1.56	1.39	1.55	7.93	30.8	35.1	9.88	5.50	6.78	6.37	6.85	3.91	MEAN
MAX	1.76	1.61	2.80	26.1	55.0	55.4	14.8	8.12	8.35	7.26	13.4	7.85	MAX
MIN	1.42	1.29	1.20	2.33	15.2	15.6	8.74	4.63	5.07	4.58	4.09	1.17	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 9.70
MAXIMUM DAILY, 55.0E ON MAY 6
MINIMUM DAILY, 1.17B ON DEC 13
MAXIMUM INSTANTANEOUS,
59.6 AT 00:55 MST ON JUN 7

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - RECORDING
LOCATION - LAT. 49 48 50 N
LONG 114 11 00 W
DRAINAGE AREA, 1 440 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 220	JUL	28 500
FEB	3 380	AUG	14 700
MAR	4 180	SEP	17 600
APR	19 600	OCT	16 400
MAY	82 100	NOV	17 700
JUN	91 100	DEC	10 800

TOTAL DISCHARGE, 306 000 dam³

ONETREE CREEK NEAR PATRICIA - STATION NO. 05CJ005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.85 B	0.183	2.07	3.10	2.05	2.27	3.05	0.850	---	1
2	---	---	0 B	1.04 B	0.188	2.33	2.74	2.32	1.88	3.23	---	---	2
3	---	---	0 B	1.16 B	0.186	2.22	2.62	2.48	2.40	3.11	---	---	3
4	---	---	0 B	1.24 B	0.171A	2.89	2.14	3.03	2.09	3.01	---	---	4
5	---	---	0 B	1.36 B	0.140A	2.79	1.84	3.08	1.81	2.80	---	---	5
6	---	---	0 B	1.15	0.148A	2.15	1.45	3.74	2.15	2.70	---	---	6
7	---	---	0 B	0.870	0.201	1.84	1.57	3.23	2.09	1.87	---	---	7
8	---	---	0 B	0.635	0.248	1.87	1.65	3.84	1.83	1.30	---	---	8
9	---	---	0 B	0.724	0.230	3.25	1.88	3.09	1.87	1.05	---	---	9
10	---	---	0 B	0.832	0.427	3.21	2.25	2.83	1.79	0.918	---	---	10
11	---	---	0 B	0.572	0.808	3.48	2.77	2.81	1.74	0.802	---	---	11
12	---	---	0 B	0.606	0.787	3.27	2.34	2.82	1.68	0.808	---	---	12
13	---	---	0 B	0.443	0.887	2.73	1.88	2.88	1.80	0.803	---	---	13
14	---	---	0 B	0.438	1.02	2.68	1.87	2.85	1.95	0.788	---	---	14
15	---	---	0 B	0.378	1.04	2.96	1.98	2.82	2.15	0.828	---	---	15
16	---	---	0 B	0.284	0.835	2.82	2.35	3.04	2.20	0.739	---	---	16
17	---	---	0 B	0.181	1.81	2.84	2.82	3.13	2.17	0.883	---	---	17
18	---	---	0 B	0.150E	2.17	2.45	2.76	3.32	2.24	0.855	---	---	18
19	---	---	0 B	0.150E	3.01	2.48	2.51	3.11	2.29	0.812	---	---	19
20	---	---	0 B	0.150E	4.24	2.08	2.48	3.00	2.89	0.802	---	---	20
21	---	---	0.0068	0.140E	3.85	2.22	2.93	2.85	2.57	0.581	---	---	21
22	---	---	0.0108	0.140E	3.40	2.88	2.57	2.58	2.53	0.583	---	---	22
23	---	0B	0.0158	0.120E	2.44	2.83	2.29	2.06	2.82	0.587	---	---	23
24	---	0B	0.0188	0.120E	3.01	2.51	2.11	1.87	2.87	0.537	---	---	24
25	---	0B	0.0218	0.120E	4.04	2.85	2.07	1.78	2.84	0.893	---	---	25
26	---	0B	0.0308	0.100E	2.88	3.18	2.57	2.00	2.87	1.05	---	---	26
27	---	0B	0.0408	0.100E	3.14	4.80	2.02	2.20	2.50	0.858	---	---	27
28	---	0B	0.0678	0.100E	3.03	3.78	1.75	2.44	2.78	0.830	---	---	28
29	---	---	0.1948	0.151	3.06	3.71	1.88	2.53	3.08	0.826	---	---	29
30	---	---	0.7788	0.184	2.42	3.28	1.70	2.62	2.83	0.831	---	---	30
31	---		1.83 B		2.08		2.15	2.75		0.821		---	31
TOTAL	---	---	2.789	15.316	51.889	84.37	59.06	85.00	69.19	38.480	---	---	TOTAL
MEAN	---	---	0.090	0.511	1.67	2.81	2.23	2.74	2.31	1.27	---	---	MEAN
MAX	---	---	1.83	1.85	4.24	4.80	3.10	3.84	3.08	3.23	---	---	MAX
MIN	---	---	0	0.100	0.140	1.84	1.45	1.78	1.88	0.537	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.70
MAXIMUM DAILY, 4.80 ON JUN 27
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
6.39 AT 12:57 MST ON JUN 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 44 00 N
LONG 111 41 15 W
DRAINAGE AREA, 495 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5 870
FEB	---	AUG	7 340
MAR	242	SEP	5 880
APR	1 320	OCT	3 410
MAY	4 480	NOV	---
JUN	7 280	DEC	---

TOTAL DISCHARGE, 36 000 dam³

OWL RIVER BELOW PICHE RIVER - STATION NO. 07CA013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.8808	0.7748	5.18	5.34	8.80A	5.82	6.38	5.28A	3.848	---	1
2	---	---	0.8818	0.8018	5.66	5.41	10.1 A	5.85	6.68	5.29A	---	---	2
3	---	---	0.8868	0.8268	5.87	5.95	10.5 A	5.28	7.46	5.57	---	---	3
4	---	---	0.8458	0.8488	5.13	5.19	10.5 A	5.85	7.71	5.58	---	---	4
5	---	---	0.8408	0.8898	5.30	5.82	10.5 A	7.81A	7.72	5.83	---	---	5
6	---	---	0.8438	0.9088	5.80	5.56	10.7 A	7.77A	7.81	5.54	---	---	6
7	---	---	0.8348	0.9788	5.69	5.82	10.8 A	8.53A	7.82	5.57	---	---	7
8	---	---	0.8138	1.10 B	5.44	5.64	10.8 A	8.31A	7.38	5.54	---	---	8
9	---	---	0.8968	1.32 B	5.17	5.95	10.8 A	7.78A	7.30	5.41	---	---	9
10	---	---	0.8728	1.56 B	4.78	5.62	10.8 A	6.87	7.06	5.28A	---	---	10
11	---	---	0.8618	1.89 B	4.71	5.68	10.1	5.21A	6.82A	5.42A	---	---	11
12	---	---	0.8888	2.09 B	4.85	10.1	9.88	5.56	6.80A	5.30A	---	---	12
13	---	---	0.8708	2.17 B	4.82	10.2	9.70A	5.16	6.83A	5.16	---	---	13
14	---	---	0.8848	2.48 B	4.81	10.2	9.21A	4.73	6.74A	5.10A	---	---	14
15	---	---	0.8988	2.81 B	4.71	8.90	8.73	4.58	6.44A	5.09A	---	---	15
16	---	---	0.8368	3.58 B	4.48	8.83	8.18	4.50	6.34	5.08A	---	---	16
17	---	---	0.8278	4.81 B	4.24	8.68	7.68	4.27A	6.00	5.23A	---	---	17
18	---	---	0.8568	4.77 B	4.12	8.71	7.34	4.19A	6.12A	5.06A	---	---	18
19	---	---	0.8768	5.78 B	4.81	8.60	6.67A	4.27A	6.16	5.45A	---	---	19
20	---	---	0.8778	7.27 B	5.27	8.58	6.12	4.11	6.20A	5.84E	---	---	20
21	---	---	0.8858	7.53 B	8.58	10.2	5.75	3.44	6.30	6.52A	---	---	21
22	---	---	0.8888	7.14 B	7.77	11.1	5.18	3.74	6.34	6.16A	---	---	22
23	---	---	0.8808	7.07	8.35	11.2	5.75A	4.48	6.18A	5.69A	---	---	23
24	---	---	0.7028	8.88	8.81	11.4	5.84A	4.72	6.18A	5.53	---	---	24
25	---	---	0.8928	8.81	8.88	11.0	5.80A	5.41A	6.11A	5.53	---	---	25
26	---	---	0.7068	8.48	8.82	10.0	5.75	5.71A	5.91A	5.42	---	---	26
27	---	---	0.7118	8.47	8.82	8.95	5.86A	5.89A	5.89A	5.21	---	---	27
28	---	---	0.7408	8.49	8.35	10.4	5.40	5.71A	5.38A	4.76B	---	---	28
29	---	---	0.7278	8.53	9.04	10.5	5.42	5.75	5.28A	4.84B	---	---	29
30	---	---	0.7288	8.43	8.43	10.2	5.25	5.78	5.28A	4.78B	---	---	30
31	---		0.7848		8.37		5.89	5.09		4.01B		---	31
TOTAL	---	---	19.858	115.190	199.82	292.09	255.35	176.81	199.97	170.41	---	---	TOTAL
MEAN	---	---	0.844	3.84	8.35	9.74	8.24	5.70	6.53	5.50	---	---	MEAN
MAX	---	---	0.784	7.53	9.35	11.4	10.8	8.53	7.72	6.54	---	---	MAX
MIN	---	---	0.827	0.774	4.12	8.34	5.84	3.44	5.28	4.01	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.81
MAXIMUM DAILY, 11.4 ON JUN 24
MINIMUM DAILY, 0.5278 ON MAR 17
MAXIMUM INSTANTANEOUS,
11.8 AT 10:42 MST ON JUL 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 00 39 N
LONG 111 51 18 W
DRAINAGE AREA, 3 080 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	22 100
FEB	---	AUG	15 300
MAR	1 720	SEP	18 900
APR	8 850	OCT	14 700
MAY	17 000	NOV	---
JUN	25 200	DEC	---

TOTAL DISCHARGE, 123 000 dam³

PADDLE RIVER AT BARRHEAD - STATION NO. 07BB006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1108	0.4828	1.74	7.83	14.8	7.58	4.43	1.47	---	---	1
2	---	---	0.1108	0.5288	1.69	2.25	14.5	12.4	3.74	1.40	---	---	2
3	---	---	0.1108	0.6008	1.48	1.57	14.1	31.2	5.85	1.38	---	---	3
4	---	---	0.1108	5.02 B	1.38	1.38	14.5	52.7	11.7	1.29	---	---	4
5	---	---	0.1108	5.34 B	1.40	1.09	14.8	61.8	7.02	1.30	---	---	5
6	---	---	0.1108	8.02 B	1.48	1.04	11.7	55.4	5.37	1.28	---	---	6
7	---	---	0.1108	8.47 B	1.87	0.883	3.83	57.1	12.5	1.32	---	---	7
8	---	---	0.1108	8.11 B	1.50	1.06	3.78	56.3	14.6	1.57	---	---	8
9	---	---	0.1108	18.4 B	1.40	1.07	15.5	59.2	12.4	1.70	---	---	9
10	---	---	0.1108	17.8 B	1.61	0.808	25.3	49.8	8.84	1.85	---	---	10
11	---	---	0.1108	17.4 B	1.58	0.839	23.7	43.2	8.02	1.85	---	---	11
12	---	---	0.1108	15.1 B	1.48	1.48	27.7	42.3	7.48	1.70	---	---	12
13	---	---	0.1108	17.8 B	1.38	1.85	23.8	37.5	6.91	1.40	---	---	13
14	---	---	0.1108	18.7 B	1.38	1.38	18.8	33.6	5.48	1.21	---	---	14
15	---	---	0.1108	18.3 B	1.28	1.21	18.1	31.5	4.63	0.848	---	---	15
16	---	---	0.1108	17.8 B	1.20	3.86	13.0	38.4	1.70	0.786	---	---	16
17	---	---	0.1108	17.7 B	1.21	3.71	12.0	38.1	1.60	0.892	---	---	17
18	---	---	0.1208	17.6	1.21	3.85	12.3	31.6	1.30	0.885	---	---	18
19	---	---	0.1308	12.6	2.37	3.71	10.7	32.5	1.30	0.880	---	---	19
20	---	---	0.1408	8.22	3.16	3.83	5.40	37.6	1.20	0.703	---	---	20
21	---	---	0.1508	5.82	11.7	3.84	4.51	33.2	1.20	0.870	---	---	21
22	---	---	0.1608	5.14	15.7	3.85	3.85	32.3	1.35	0.880	---	---	22
23	---	---	0.1608	5.41	17.7	3.38	3.85	34.8	1.30	0.880	---	---	23
24	---	---	0.1608	6.16	14.2	1.36	3.72	38.6	1.50	0.840	---	---	24
25	---	---	0.1808	6.98	13.0	0.921	3.25	39.4	1.42	0.840	---	---	25
26	---	---	0.1808	2.86	12.1	0.989	3.26	32.6	1.35	0.840	---	---	26
27	---	---	0.1808	3.86	11.3	1.37	2.82	28.6	1.41	0.840	---	---	27
28	---	---	0.1808	2.80	10.8	7.82	2.47	26.6	1.28	0.850	---	---	28
29	---		0.2338	1.89	10.6	13.3	5.87	23.2	1.24	0.880	---	---	29
30	---		0.3068	1.78	10.3	15.9	7.01	7.20	1.28	0.870	---	---	30
31	---		0.3798		10.0		8.70	4.87		0.675A		---	31
TOTAL	---	---	4.648	285.637	173.10	95.390	344.43	1 135.13	141.87	31.689	---	---	TOTAL
MEAN	---	---	0.143	8.52	5.58	3.21	11.1	36.6	4.72	1.03	---	---	MEAN
MAX	---	---	0.378	18.7	19.7	15.9	27.7	87.1	14.6	1.70	---	---	MAX
MIN	---	---	0.110	0.482	1.20	0.539	2.47	4.87	1.20	0.640	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.03
MAXIMUM DAILY, 87.1 ON AUG 7
MINIMUM DAILY, 0.1108 ON MAR 1
MAXIMUM INSTANTANEOUS,
87.7 AT 21:30 MST ON AUG 7

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 08 45 N
LONG 114 23 55 W
DRAINAGE AREA, 2 380 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1984

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	29 600
FEB	---	AUG	95 100
MAR	384	SEP	12 200
APR	24 700	OCT	2 780
MAY	15 000	NOV	---
JUN	8 330	DEC	---

TOTAL DISCHARGE, 191 000 dam³

PADDLE RIVER AT HIGHWAY NO. 754 - STATION NO. 07BB013

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	4.788A	4.841	4.195	4.371	5.417	5.148	4.458	4.181	---	---	1
2	---	---	4.885	5.232	4.174	4.188	5.380	5.884	4.440	4.183	---	---	2
3	---	---	4.857	5.648	4.181	4.134	5.384	7.801	5.278	4.144	---	---	3
4	---	---	4.832	5.537	4.161	4.110	5.450	8.538	5.050	4.138	---	---	4
5	---	---	4.814	5.810	4.167	4.101	5.407	8.840	4.708	4.140	---	---	5
6	---	---	4.807	5.589	4.157	4.088	4.712	8.848	4.884	4.140	---	---	6
7	---	---	4.832	5.513	4.177	4.084	4.384	8.488	5.838	4.140	---	---	7
8	---	---	4.888	5.771	4.182	4.078	4.588	7.834	5.828	4.139	---	---	8
9	---	---	4.708	5.917	4.184	4.013	5.233	7.394	5.188	4.135	---	---	9
10	---	---	4.781	5.927	4.157	4.038	5.101	6.883	5.058	4.133	---	---	10
11	---	---	4.787	5.941	4.148	4.088	5.301	7.071	5.012	4.148	---	---	11
12	---	---	4.784	5.878	4.138	4.225	5.267	6.923	4.983	4.187	---	---	12
13	---	---	4.748	6.032	4.130	4.188	5.855	6.887	4.951	4.177	---	---	13
14	---	---	4.737	5.946	4.121	4.124	5.740	6.503	4.825	4.138	---	---	14
15	---	---	4.728	5.899	4.118	4.282	5.393	6.701	4.418	4.128	---	---	15
16	---	---	4.748	5.625	4.110	4.422	5.272	6.900	4.177	4.124	---	---	16
17	---	---	4.788	5.712	4.103	4.418	5.248	6.883	4.147	4.127	---	---	17
18	---	---	4.837	5.619	4.098	4.431	5.268	6.583	4.148	4.124	---	---	18
19	---	---	4.885	5.894	4.184	4.421	5.840	6.842	4.148	4.122	---	---	19
20	---	---	4.884	4.885	4.817	4.414	4.580	6.801	4.142	4.078	---	---	20
21	---	---	4.885	4.778	5.868	4.418	4.532	6.670	4.140	4.101	---	---	21
22	---	---	4.878	4.897	5.778	4.423	4.478	6.707	4.143	4.088	---	---	22
23	---	---	4.851	4.898	5.428	4.285	4.491	6.882	4.171	4.043	---	---	23
24	---	---	4.840	4.844	5.287	4.140	4.421	6.852	4.185	4.047	---	---	24
25	---	---	4.847	4.892	5.180	4.148	4.378	6.841	4.178	4.045	---	---	25
26	---	---	4.885	4.332	5.114	4.188	4.388	6.484	4.177	4.042	---	---	26
27	---	---	4.883	4.384	5.041	4.310	4.335	6.398	4.188	4.038	---	---	27
28	---	---	4.884	4.288	5.025	5.120	4.535	6.317	4.180	4.048	---	---	28
29	---		4.876	4.204	4.888	5.888	4.782	6.223	4.188	4.080	---	---	29
30	---		4.882	4.313	4.877	5.808	4.835	6.884	4.187	4.088	---	---	30
31	---		4.884		4.888		4.718	6.818		4.018A			31
MEAN	---	---	4.781	5.258	4.538	4.361	5.088	6.770	4.570	4.108	---	---	MEAN
MAX	---	---	4.884	6.032	5.775	5.888	5.301	6.845	5.838	4.187	---	---	MAX
MIN	---	---	4.807	4.204	4.088	4.013	4.335	6.818	4.140	4.018	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 6.845 ON AUG 6

MAXIMUM INSTANTANEOUS,
6.852 AT 15:30 MST ON AUG 6

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 02 54 N
LONG 114 40 12 W

A - MANUAL GAUGE

REGULATED

DRAINAGE AREA,
1 730 km²

PADDLE RIVER NEAR ANSELMO - STATION NO. 07BB011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0608	0.0788	0.814	0.578	5.88	---	---	---	---	---	1
2	---	---	0.0608	0.3008	0.762	0.488	5.98	---	---	---	0.470B	---	2
3	---	---	0.0608	0.813B	0.730	0.472	7.94	---	---	---	---	---	3
4	---	---	0.0608	1.34 B	0.700	0.424	5.14	---	---	---	---	---	4
5	---	---	0.0618	1.86 B	0.864	0.380	3.09	---	---	---	---	---	5
6	---	---	0.0628	1.41 B	0.858	0.382	2.12	---	---	---	---	---	6
7	---	---	0.0688	0.8618	0.828	0.338	1.86	---	---	---	---	---	7
8	---	---	0.0898	0.7958	0.878	0.320	2.30	---	---	---	---	---	8
9	---	---	0.0888	0.8408	0.818	0.444	5.03	---	---	---	---	---	9
10	---	---	0.0858	1.85 B	0.868	3.24	4.81	---	---	---	---	---	10
11	---	---	0.0628	3.30 B	0.800E	4.63	3.31	---	---	---	---	---	11
12	---	---	0.0508	4.67 B	0.480E	2.58	2.18	---	---	---	---	---	12
13	---	---	0.0585	4.88 B	0.380E	1.48	1.48	---	---	---	---	---	13
14	---	---	0.0588	4.23 B	0.335E	1.03	1.17	---	---	---	---	---	14
15	---	---	0.0588	4.88 B	0.320E	1.08	0.818	---	---	---	---	---	15
16	---	---	0.0578	4.83 B	0.288E	1.08	1.51	---	---	---	---	---	16
17	---	---	0.0588	4.22 B	0.305E	0.806	1.79	---	---	---	---	---	17
18	---	---	0.0598	2.86 B	0.338A	0.813	1.86	---	---	---	---	---	18
19	---	---	0.0588	2.26 B	0.863	0.804	1.13	---	---	---	---	---	19
20	---	---	0.0608	2.11 B	12.0 A	0.490	0.871A	---	---	---	---	---	20
21	---	---	0.0628	2.24 B	16.7 A	0.464	---	---	---	---	---	---	21
22	---	---	0.0658	2.53 B	7.36	0.492	---	---	---	---	---	---	22
23	---	0.0658	0.0678	2.16 B	4.26	0.528	---	---	---	---	---	---	23
24	---	0.0578	0.0648	1.78 B	3.88	0.816	---	2.01A	---	---	---	---	24
25	---	0.0588	0.0638	1.84 B	2.07	0.498	---	---	---	---	---	---	25
26	---	0.0548	0.0628	1.30 B	1.87	0.438	---	---	---	---	---	---	26
27	---	0.0628	0.0618	1.18 B	1.23	3.92	---	---	---	---	---	---	27
28	---	0.0608	0.0618	1.02 B	0.891	12.2	---	---	---	---	---	---	28
29	---		0.0608	1.02	0.818	6.58	---	---	0.486A	---	---	---	29
30	---		0.0658	0.813	0.865	4.04	---	---	---	---	---	---	30
31	---		0.0708		0.875		---	---		---	---	---	31
TOTAL	---	---	1.918	83.117	80.814	80.943	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.062	3.10	1.86	1.70	---	---	---	---	---	---	MEAN
MAX	---	---	0.070	4.93	16.7	12.2	---	---	---	---	---	---	MAX
MIN	---	---	0.058	0.876	0.288	0.320	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MINIMUM DAILY, 0.0588 ON MAR 14
MAXIMUM INSTANTANEOUS,
300E ON AUG 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 51 20 N
LONG 115 21 45 W
DRAINAGE AREA, 281 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	186	SEP	---
APR	5 480	OCT	---
MAY	5 280	NOV	---
JUN	4 400	DEC	---

REMARKS - PEAK FLOW WAS ESTIMATED BY EXTENDING THE LOG PLOT. ADOE ALSO ESTIMATED THE SAME FLOW BY USING RESERVOIR CAPACITY TABLE

PADDLE RIVER NEAR ROCHFORT BRIDGE - STATION NO. 07BB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.178B	0.400B	0.788	0.782	10.2	10.3	0.821	0.803	0.223	---	1
2	---	---	0.178B	0.480B	0.756	0.228	10.0	8.72	1.08	0.783	0.218A	---	2
3	---	---	0.178B	0.810B	0.748	0.818	9.44	0.402	0.882	0.788	---	---	3
4	---	---	0.178B	0.580B	0.738	0.853	10.4	16.4	0.889	0.788	---	---	4
5	---	---	0.185B	0.700B	0.726	0.856	9.50	41.3	3.14	0.733	---	---	5
6	---	---	0.200B	0.830B	0.726	0.831	0.888	28.6	10.9	0.728	---	---	6
7	---	---	0.209B	5.53 B	0.727	0.896	0.869	17.0	11.8	0.712	---	---	7
8	---	---	0.220B	9.78	0.732	0.840	1.77	12.4	8.03	0.718	---	---	8
9	---	---	0.210B	9.41	0.724	1.02	1.38	10.1	6.34	0.700	---	---	9
10	---	---	0.206B	9.44	0.718	1.11	4.76	18.2	5.26	0.688	---	---	10
11	---	---	0.200B	7.72	0.713	1.06	11.0	19.8	5.27	0.680	---	---	11
12	---	---	0.200B	8.86	0.709	1.05	10.8	19.5	5.19	0.676	---	---	12
13	---	---	0.189B	9.63	0.706	1.04	10.4	19.3	5.06	0.851	---	---	13
14	---	---	0.187B	10.6	0.707	1.16	8.58	23.8	3.06	0.854	---	---	14
15	---	---	0.185B	11.6	0.701	1.33	7.44	31.1	0.626	0.840	---	---	15
16	---	---	0.185B	11.7	0.706	1.24	7.32	28.0	0.634	0.812	---	---	16
17	---	---	0.187B	11.8	0.722	1.14	7.28	22.4	0.612	0.680	---	---	17
18	---	---	0.200B	7.37	0.748	1.08	3.98	25.7	0.371	0.618	---	---	18
19	---	---	0.204B	4.48	0.802	0.843	0.877	26.8	0.338	0.382	---	---	19
20	---	---	0.209B	3.88	2.74	0.838	0.838	22.1	0.383	0.481	---	---	20
21	---	---	0.213B	4.81	6.81	0.884	0.816	27.8	0.472	0.230	---	---	21
22	---	---	0.223B	4.83	6.38	0.811	0.826	27.9	0.886	0.227	---	---	22
23	---	0.208B	0.236B	4.82	6.48	0.818	0.839	27.2	0.807	0.227	---	---	23
24	---	0.200B	0.246B	3.13	6.60	0.830	0.856	25.7	0.832	0.227	---	---	24
25	---	0.186B	0.236B	1.21	6.83	0.817	0.856	25.0	0.834	0.226	---	---	25
26	---	0.182B	0.230B	1.77	6.04	0.803	0.856	24.4	0.836	0.230	---	---	26
27	---	0.178B	0.230B	0.908	6.56	1.32	2.37	23.7	0.813	0.238	---	---	27
28	---	0.176B	0.246B	0.842	5.65	5.71	4.53	11.4	0.662	0.232	---	---	28
29	---		0.270B	0.778	2.82	10.5	4.51	0.488	0.788	0.226	---	---	29
30	---		0.310B	0.767	1.74	10.2	4.58	0.448	0.788	0.224	---	---	30
31	---		0.346B		1.31		7.83	0.494		0.227	---	---	31
TOTAL	---	---	6.734	180.217	72.024	83.232	163.646	695.278	83.318	15.771	---	---	TOTAL
MEAN	---	---	0.217	6.01	2.32	1.77	4.89	19.3	2.74	0.508	---	---	MEAN
MAX	---	---	0.346	11.8	6.81	10.5	11.0	41.3	11.8	0.803	---	---	MAX
MIN	---	---	0.176	0.400	0.701	0.782	0.814	0.402	0.328	0.220	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN, 4.61
MAXIMUM DAILY, 41.3 ON AUG 5
MINIMUM DAILY, 0.176B ON MAR 2
MAXIMUM INSTANTANEOUS,
44.8 AT 04:04 MST ON AUG 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 53 44 N
LONG 115 03 27 W
DRAINAGE AREA, 825 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1984

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	13 300
FEB	---	AUG	61 400
MAR	581	SEP	7 110
APR	13 000	OCT	1 380
MAY	5 220	NOV	---
JUN	4 600	DEC	---

TOTAL DISCHARGE, 97 800 dam³

PADDLE RIVER NEAR SANGUDO - STATION NO. 07BB012

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	3.685	3.919	---	2.876	3.828	3.736	---	2.817	2.788	---	1
2	---	---	3.716	4.355	---	2.824	3.895	4.388	---	2.811	2.710A	---	2
3	---	---	3.677	4.387	---	2.788	3.928	---	---	2.790	---	---	3
4	---	---	3.283	4.350	---	2.768	3.914	---	---	2.787	---	---	4
5	---	---	3.119	4.253	---	2.778	3.787	---	---	2.785	---	---	5
6	---	---	3.084	4.149	---	2.767	3.014	5.888A	---	2.789	---	---	6
7	---	---	3.123	4.085	---	2.759	2.945	5.495A	---	2.781	---	---	7
8	---	---	3.232	4.542	---	2.681	3.517	---	---	2.793	---	---	8
9	---	---	3.288	4.610	---	2.627	4.833A	---	---	2.769	---	---	9
10	---	---	3.364	4.544	---	2.719	4.318A	4.155A	---	2.788	---	---	10
11	---	---	3.398	4.405	---	2.844	---	4.859A	---	2.828	---	---	11
12	---	---	3.431	4.502	---	2.879	---	---	---	2.849	---	---	12
13	---	---	3.480	---	---	2.805	---	4.587	---	2.823	---	---	13
14	---	---	3.491	---	---	2.815	---	4.628	---	2.781	---	---	14
15	---	---	3.595	---	---	3.081	---	5.117	---	2.785	---	---	15
16	---	---	3.587	---	2.772A	3.082	---	5.041	---	2.775	---	---	16
17	---	---	3.608	---	2.756	3.057	---	4.788	---	2.775	---	---	17
18	---	---	3.633	---	2.782	3.055	---	4.800	---	2.773	---	---	18
19	---	---	3.670	---	2.878	3.042	---	5.274	---	2.748	---	---	19
20	---	---	3.706	---	3.631	3.032	3.032A	4.893	---	2.708	---	---	20
21	---	---	3.760	---	4.284	3.034	2.985	5.025	---	2.780	---	---	21
22	---	---	3.768	---	4.195	3.025	3.029	5.087	---	2.858	---	---	22
23	---	3.553A	3.782	---	3.881	2.805	3.009	5.338	---	2.857	---	---	23
24	---	3.581	3.744	3.378A	3.748	2.782	2.985	5.165	---	2.856	---	---	24
25	---	3.542	3.735	---	3.862	2.818	2.948	4.985	---	2.857	---	---	25
26	---	3.573	3.737	---	3.841	2.809	2.984	4.889	---	2.857	---	---	26
27	---	3.607	3.721	---	3.607	3.288	2.940	4.824	---	2.858	---	---	27
28	---	3.631	3.719	---	3.582	3.719	3.201	4.741	2.808A	2.857	---	---	28
29	---		3.748A	---	3.559	4.180	3.328	---	2.802	2.884	---	---	29
30	---		3.712	---	3.538	3.876	3.380	---	2.811	2.878	---	---	30
31	---		3.683		3.427		3.302	---		2.884		---	31
MEAN	---	---	3.552	---	---	2.989	---	---	---	2.747	---	---	MEAN
MAX	---	---	3.789	---	---	4.180	---	---	---	2.888	---	---	MAX
MIN	---	---	3.084	---	---	2.627	---	---	---	2.655	---	---	MIN

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 57 26 N
LONG 114 53 35 W

A - MANUAL GAUGE

REGULATED SINCE 1984

DRAINAGE AREA,
1 170 km^2

WATER LEVELS ARE REFERRED TO ASSUMED DATUM
APPLY 648.869 m ADJUSTMENT TO CONVERT TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

PADDLE RIVER RESERVOIR NEAR ROCHFORT BRIDGE - STATION NO. 07BB014

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	695.640	695.638	695.512	695.382	696.148	695.978	696.638	697.282	695.480	696.027	696.134	696.732	1
2	695.636	695.636	695.507	695.412	696.175	695.980	696.533	697.288	695.733	696.024	696.152	696.729	2
3	695.635	695.635	695.505	695.558	696.212	695.987	696.451	700.923	695.706	696.018	696.186	696.729	3
4	695.634	695.632	695.505	695.831	696.233	695.984	696.415	704.812	697.157	696.004	696.208	696.734	4
5	695.633	695.627	695.489	696.154	696.252	695.976	696.315	705.066	697.372	695.995	696.240	696.737	5
6	695.633	695.628	695.486	696.435	696.288	695.987	696.302	704.880	697.211	695.966	696.286	696.742	6
7	695.635	695.622	695.486	696.678	696.287	695.959	696.483	704.713	697.009	695.981	696.298	696.746	7
8	695.638	695.619	695.486	696.512	696.298	695.956	696.840	704.601	696.731	695.970	696.321	696.747	8
9	695.638	695.611	695.484	696.285	696.310	695.963	697.178	704.529	696.577	695.987	696.353	696.750	9
10	695.634	695.606	695.483	696.046	696.319	696.015	697.705	704.415	696.414	695.959	696.383	696.748	10
11	695.632	695.604	695.484	696.015	696.325	696.258	697.806	704.086	696.230	695.947	696.404	696.742	11
12	695.630	695.594	695.484	696.201	696.327	696.529	697.710	703.728	696.032	695.937	696.428	696.737	12
13	695.629	695.593	695.473	696.399	696.327	696.881	697.482	703.242	695.828	695.933	696.450	696.735	13
14	695.627	695.591	695.468	696.457	696.324	696.749	697.227	702.802	695.661	695.924	696.471	696.733	14
15	695.624	695.584	695.467	696.388	696.318	696.728	697.028	702.203	695.662	695.913	696.477	696.725	15
16	695.621	695.588	695.467	696.294	696.313	696.672	696.820	701.483	695.741	695.911	696.500	696.728	16
17	695.619	695.583	695.464	696.108	696.304	696.617	696.637	701.048	695.775	695.903	696.504	696.724	17
18	695.616	695.581	695.462	695.887	696.295	696.548	696.488	701.023	695.821	695.893	696.519	696.721	18
19	695.614	695.572	695.443	695.898	696.318	696.454	696.508	700.803	695.876	695.894	696.538	696.718	19
20	695.611	695.561	695.435	695.884	696.481	696.357	696.546	700.560	695.918	695.897	696.558	696.708	20
21	695.610	695.554	695.428	695.884	697.005	696.270	696.572	700.073	695.961	695.906	696.582	696.688	21
22	695.612	695.549	695.415	695.839	697.485	696.180	696.804	699.473	695.983	695.936	696.600	696.668	22
23	695.615	695.540	695.414	695.815	697.621	696.179	696.881	698.884	695.998	695.950	696.620	696.673	23
24	695.613	695.538	695.405	695.778	697.588	696.174	696.750	698.239	696.006	695.970	696.635	696.660	24
25	695.612	695.538	695.399	695.849	697.464	696.174	696.781	697.480	696.009	695.997	696.651	696.651	25
26	695.610	695.529	695.393	695.907	697.283	696.182	696.847	696.881	696.014	696.013	696.660	696.643	26
27	695.608	695.525	695.385	695.955	697.070	696.237	696.890	695.856	696.020	696.036	696.672	696.664	27
28	695.608	695.520	695.382	696.027	696.823	696.558	696.985	695.088	696.026	696.064	696.683	696.672	28
29	695.604		695.379	696.068	696.557	696.606	697.325	695.066	696.030	696.075	696.702	696.685	29
30	695.623		695.378	696.110	696.270	696.799	697.465	695.212	696.026	696.096	696.712	696.690	30
31	695.638		695.377		696.008		697.481	695.368		696.116		696.694	31
MEAN	695.623	695.566	695.460	696.033	696.549	696.287	696.863	700.548	696.171	695.976	696.464	696.711	MEAN
MAX	695.640	695.638	695.512	696.678	697.621	696.808	697.806	705.066	697.372	696.116	696.712	696.750	MAX
MIN	695.604	695.520	695.377	695.382	696.008	695.956	696.315	695.066	695.480	695.893	696.134	696.643	MIN

SUMMARY FOR THE YEAR 1989

WATER LEVELS IN METRES

MEAN, 696.535
MAXIMUM DAILY, 705.066 ON AUG 5
MINIMUM DAILY, 695.066 ON AUG 29
MAXIMUM INSTANTANEOUS,
705.095 AT 06:59 MST ON AUG 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 53 38 N
LONG 115 04 03 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REGULATED SINCE 1988

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

PAINTEARTH CREEK NEAR HALKIRK - STATION NO. 05PC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.82 B	0.003	0	0.123	0.014	0	0	---	---	1
2	---	---	0 B	1.84 B	0.002	0	0.247	0.010	0	0	---	---	2
3	---	---	0 B	1.57 B	0.001	0	0.178	0.008	0	0	---	---	3
4	---	---	0 B	1.20 B	0	0	0.157	0.006	0	0	---	---	4
5	---	---	0 B	0.9568	0	0	0.148	0.004	0	0	---	---	5
6	---	---	0 B	0.7108	0	0	0.133	0.003	0.008	0	---	---	6
7	---	---	0 B	0.5868	0	0	0.128	0.003	0.005	0	---	---	7
8	---	---	0 B	0.4788	0	0	0.138	0.002	0.002	0	---	---	8
9	---	---	0 B	0.3858	0	0	0.188	0.001	0	0	---	---	9
10	---	---	0 B	0.280	0	0	0.148	0	0	0	---	---	10
11	---	---	0 B	0.215	0	0	0.283	0	0	0	---	---	11
12	---	---	0 B	0.168	0	0	0.492	0	0	0	---	---	12
13	---	---	0 B	0.139	0	0	0.431	0	0	0	---	---	13
14	---	---	0 B	0.104	0	0	0.301	0	0	0	---	---	14
15	---	---	0 B	0.131	0	0	0.240	0	0	0	---	---	15
16	---	---	0 B	0.072	0	0	0.205	0	0	0	---	---	16
17	---	---	0 B	0.032	0	0	0.187	0	0	0	---	---	17
18	---	---	0 B	0.009	0	0	0.143	0	0	0	---	---	18
19	---	---	0 B	0.017	0	0	0.128	0	0	0	---	---	19
20	---	---	0 B	0.003	0	0	0.113	0	0	0	---	---	20
21	---	0B	0 B	0.001	0	0	0.101	0	0	0	---	---	21
22	---	0B	0 B	0.034	0	0	0.174	0	0	0	---	---	22
23	---	0B	0 B	0.040	0	0	0.100	0	0	0	---	---	23
24	---	0B	0.0018	0.006	0	0	0.088	0	0	0	---	---	24
25	---	0B	0.0188	0.008	0	0	0.098	0	0	0	---	---	25
26	---	0B	0.0588	0.004	0	0	0.084	0	0	0	---	---	26
27	---	0B	0.0308	0.002	0	0.004	0.040	0	0	0	---	---	27
28	---	0B	0.0858	0.001	0	0.004	0.044	0	0	0	---	---	28
29	---		0.0878	0.003	0	0.007	0.038	0	0	0	---	---	29
30	---		0.4588	0.004	0	0.035	0.034	0	0	0	---	---	30
31	---		1.11 B		0		0.017	0		0A		---	31
TOTAL	---	---	1.884	10.888	0.009	0.040	4.822	0.081	0.015	0	---	---	TOTAL
MEAN	---	---	0.060	0.366	0	0.001	0.159	0.002	0.001	0	---	---	MEAN
MAX	---	---	1.11	1.84	0.003	0.035	0.492	0.014	0.008	0	---	---	MAX
MIN	---	---	0	0.001	0	0	0.017	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.071
MAXIMUM DAILY, 1.848 ON APR 2
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.31B AT 07:59 MST ON APR 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 23 00 N
LONG 112 05 00 W
DRAINAGE AREA, 180 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	417
FEB	---	AUG	4.41
MAR	181	SEP	1.30
APR	932	OCT	0
MAY	0.82	NOV	---
JUN	3.48	DEC	---

TOTAL DISCHARGE, 1 810 dam³

PARSLEEN CREEK NEAR CHANCELLOR - STATION NO. 05BM007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0	0	0	0	0	0	---	---	1
2	---	---	0B	0 B	0	0	0	0	0	0	---	---	2
3	---	---	0B	0 B	0	0	0	0	0	0	---	---	3
4	---	---	0B	0 B	0	0	0	0	0	0	---	---	4
5	---	---	0B	1.37	0	0	0	0	0	0	---	---	5
6	---	---	0B	2.18	0	0	0	0	0	0	---	---	6
7	---	---	0B	1.48	0	0	0	0	0	0	---	---	7
8	---	---	0B	1.06	0	0	0	0	0	0	---	---	8
9	---	---	0B	0.787	0	0	0	0	0	0	---	---	9
10	---	---	0B	0.487	0	0	0	0	0	0	---	---	10
11	---	---	0B	0.287	0	0	0	0	0	0	---	---	11
12	---	---	0B	0.159	0	0	0	0	0	0	---	---	12
13	---	---	0B	0.108	0	0	0	0	0	0	---	---	13
14	---	---	0B	0.078	0	0	0	0	0	0	---	---	14
15	---	---	0B	0.054	0	0	0	0	0	0	---	---	15
16	---	---	0B	0.036	0	0	0	0	0	0	---	---	16
17	---	---	0B	0.021	0	0	0	0	0	0	---	---	17
18	---	---	0B	0.016	0	0	0	0	0	0	---	---	18
19	---	---	0B	0.011	0	0	0	0	0	0	---	---	19
20	---	---	0B	0.010	0	0	0	0	0	0	---	---	20
21	---	---	0B	0.008	0	0	0	0	0	0	---	---	21
22	---	---	0B	0.008	0	0	0	0	0	0	---	---	22
23	---	0B	0B	0.007	0	0	0	0	0	0	---	---	23
24	---	0B	0B	0.004	0	0	0	0	0	0	---	---	24
25	---	0B	0B	0.002	0	0	0	0	0	0	---	---	25
26	---	0B	0B	0.002	0	0	0	0	0	0	---	---	26
27	---	0B	0B	0.001	0	0	0	0	0	0	---	---	27
28	---	0B	0B	0	0	0	0	0	0	0	---	---	28
29	---		0B	0	0	0	0	0	0	0	---	---	29
30	---		0B	0	0	0	0	0	0	0	---	---	30
31	---		0B		0		0	0		0A		---	31
TOTAL	---	---	0	7.888	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.288	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	2.18	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.033
MAXIMUM DAILY, 2.18 ON APR 6
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.38 AT 14:05 MST ON APR 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 59 40 N
LONG 112 50 27 W
DRAINAGE AREA, 139 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	888	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 888 dam³

PARLBY CREEK AT ALIX - STATION NO. 05CD007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0088	0.570	0.218	0.188	0.0141	0.033	0.008	---	---	1
2	---	---	0 B	0.0208	0.478	0.184	0.180	0.0137	0.082	0.008	---	---	2
3	---	---	0 B	0.0788	0.422	0.183	0.170	0.0132	0.084	0.008	---	---	3
4	---	---	0 B	0.4098	0.422	0.159	0.151	0.0134	0.059	0.007	---	---	4
5	---	---	0 B	2.31 B	0.392	0.163	0.150	0.0134	0.058	0.004	---	---	5
6	---	---	0 B	2.63 B	0.320	0.152	0.155	0.0138	0.050	0.002	---	---	6
7	---	---	0 B	5.73 B	0.278	0.148	0.381	0.0134	0.054	0.001	---	---	7
8	---	---	0 B	8.08 B	0.272	0.139	0.323	0.0128	0.052	0.001	---	---	8
9	---	---	0 B	7.45 B	0.280	0.111	0.246	0.0124	0.041	0.001	---	---	9
10	---	---	0 B	6.09	0.348	0.109	0.284	0.0121	0.037	0.001	---	---	10
11	---	---	0 B	4.89	0.228	0.108	0.418	0.0112	0.035	0.001	---	---	11
12	---	---	0 B	4.01	0.288	0.080	0.448	0.0108	0.027	0.001	---	---	12
13	---	---	0 B	3.83	0.407	0.083	0.811	0.0112	0.015	0.004	---	---	13
14	---	---	0 B	4.75	0.377	0.058	0.817	0.0111	0.021	0.038	---	---	14
15	---	---	0 B	5.77	0.327	0.082	0.438	0.0108	0.022	0.078	---	---	15
16	---	---	0 B	5.10	0.284	0.084	0.374	0.0122	0.020	0.804	---	---	16
17	---	---	0 B	4.31	0.298	0.081	0.300	0.0127	0.018	0.818	---	---	17
18	---	---	0 B	3.47	0.283	0.080	0.228	0.0135	0.017	0.283	---	---	18
19	---	---	0 B	2.73	0.272	0.078	0.182	0.0137	0.018	0.204	---	---	19
20	---	---	0 B	2.18	0.881	0.072	0.113	0.0137	0.015	0.281	---	---	20
21	---	---	0 B	1.82	0.716	0.047	0.101	0.0124	0.014	0.132	---	---	21
22	---	08	0 B	1.60	0.798	0.029	0.119	0.0130	0.011	0.088	---	---	22
23	---	08	0 B	1.42	0.858	0.017	0.126	0.0127	0.009	0.079	---	---	23
24	---	08	0 B	1.26	0.847	0.045	0.108	0.0125	0.011	0.077	---	---	24
25	---	08	0 B	1.19	0.770	0.068	0.067	0.0121	0.008	0.121	---	---	25
26	---	08	0 B	1.13	0.675	0.110	0.027	0.0117	0.006	0.302	---	---	26
27	---	08	0 B	1.04	0.594	0.088	0.008	0.0119	0.006	0.306	---	---	27
28	---	08	0.0028	0.906	0.518	0.114	0.018	0.0121	0.006	0.336	---	---	28
29	---		0.0108	0.787	0.518	0.140	0.010	0.0123	0.007	0.268	---	---	29
30	---		0.0148	0.682	0.383	0.158	0.042	0.0124	0.008	0.224	---	---	30
31	---		0.0308		0.271		0.043	0.0122		0.187A		---	31
TOTAL	---	---	0.048	85.829	14.047	3.263	6.380	0.7188	0.780	4.068	---	---	TOTAL
MEAN	---	---	0.001	2.86	0.453	0.109	0.206	0.0238	0.026	0.131	---	---	MEAN
MAX	---	---	0.030	8.08	0.858	0.218	0.517	0.0141	0.084	0.819	---	---	MAX
MIN	---	---	0	0.008	0.228	0.017	0.008	0.0008	0.006	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.471
MAXIMUM DAILY, 8.080 ON APR 8
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 24 27 N
LONG 113 11 43 W
DRAINAGE AREA, 818 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	550
FEB	---	AUG	88.8
MAR	3.97	SEP	68.3
APR 7 420		OCT	361
MAY 1 210		NOV	---
JUN 282		DEC	---

TOTAL DISCHARGE, 9 950 dam³

PARLBY CREEK NEAR MIRROR - STATION NO. 05CD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	M.0238	0.805	2.36	0.174	0.0031	0.053	0.002	---	---	1
2	---	---	---	M.0298	0.881	2.38	0.038	0.0024	0.088	0.018	---	---	2
3	---	---	---	M.0248	0.841	2.34	0.002	0.0033	0.187	0.010	---	---	3
4	---	---	---	M.0408	1.08	2.38	0	0.0085	0.188	0	---	---	4
5	---	---	---	M.7648	1.77	2.47	0	0.0089	0.178	0	---	---	5
6	---	---	---	1.08 B	1.84	2.33	0	0.1100	0.213	0	---	---	6
7	---	---	---	0.8828	1.84	2.62	0	0.1108	0.230	0	---	---	7
8	---	---	---	0.8488	1.37	1.81	0	0.1118	0.488	0	---	---	8
9	---	---	---	0.1108	1.24	1.42	0	0.1114	0.378	0	---	---	9
10	---	---	---	0.0488	1.18	0.788	0.107	0.1112	0.313	0	---	---	10
11	---	---	---	0.3078	1.17	0.853	1.01	0.1108	0.278	0	---	---	11
12	---	---	---	0.1448	1.13	0.813	1.12	0.1104	0.222	0	---	---	12
13	---	---	---	0.1168	1.07	0.839	1.02	0.0992	0.188	0	---	---	13
14	---	---	---	0.202	1.37	0.834	0.879	0.0970	0.143	0.013	---	---	14
15	---	---	---	0.1338	1.70	0.480	0.838	0.0949	0.105	0.030	---	---	15
16	---	---	---	0.098	1.88	0.427	0.728	0.0988	0.088	0.044	---	---	16
17	---	---	---	0.070	1.68	0.388	0.611	0.0953	0.044	0.098	---	---	17
18	---	---	---	0.178	1.88	0.294	0.588	0.0988	0.028	0.408	---	---	18
19	---	---	---	0.192	1.82	0.238	0.514	0.1118	0.018	0.378	---	---	19
20	---	---	---	0.192	1.77	0.240	0.484	0.1187	0.008	0.382	---	---	20
21	---	---	---	0.187	1.61	0.327	0.421	0.1158	0.001	0.397	---	---	21
22	---	---	---	0.224	1.27	0.810	0.329	0.1163	0.001	0.378	---	---	22
23	---	---	---	0.284	2.20	0.398	0.269	0.1208	0	0.313	---	---	23
24	---	---	---	0.310	2.98	0.447	0.201	0.1188	0	0.272	---	---	24
25	---	---	---	0.444	2.70	0.318	0.167	0.1130	0	0.297	---	---	25
26	---	---	---	0.688	2.81	0.111	0.118	0.1100	0	0.291	---	---	26
27	---	---	---	0.888	2.98	0.183	0.071	0.1093	0	0.332	---	---	27
28	---	---	0 B	0.878	2.87	0.187	0.078	0.1073	0	0.448	---	---	28
29	---		0.0068	0.848	2.38	0.248	0.081	0.1080	0	0.421	---	---	29
30	---		0.0118	0.828	3.45	0.184	0.088	0.1072	0	0.418A	---	---	30
31	---		0.0178		3.69		0.043	0.1080		0.418E		---	31
TOTAL	---	---	---	8.888	68.877	20.263	9.893	3.1888	3.321	5.347	---	---	TOTAL
MEAN	---	---	---	0.288	1.83	0.878	0.318	0.1087	0.111	0.172	---	---	MEAN
MAX	---	---	---	1.08	3.69	3.34	1.12	0.1208	0.488	0.448	---	---	MAX
MIN	---	---	---	0.008	0.881	0.111	0	0.1024	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 3.69 ON MAY 31
MINIMUM DAILY, 0B ON MAR 28
MAXIMUM INSTANTANEOUS,
4.44 AT 13:00 MST ON MAY 30

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 36 00 N
LONG 113 05 40 W
DRAINAGE AREA, 843 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	885
FEB	---	AUG	288
MAR	---	SEP	287
APR	780	OCT	492
MAY 4 000		NOV	---
JUN 2 630		DEC	---

PEACE RIVER AT DUNVEGAN BRIDGE - STATION NO. 07FD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1 230	2 050	1 880	1 410A	1 400	847	---	---	1
2	---	---	---	---	1 410	1 900	1 870	1 470	1 380	864	---	---	2
3	---	---	---	---	1 820	2 100	1 280	1 480	1 040	1 110	---	---	3
4	---	---	---	---	1 550	2 210	1 380	1 470	898	1 130	---	---	4
5	---	---	---	---	1 870	1 880	1 810	1 380	847	1 080	---	---	5
6	---	---	---	---	1 820	1 880	1 710	1 430	838	1 040	---	---	6
7	---	---	---	---	1 830	1 740	1 700	1 430	1 230	1 080	---	---	7
8	---	---	---	---	1 780	1 480	1 880	1 480	1 400	1 270	---	---	8
9	---	---	---	---	1 810	1 380	1 780	1 480	1 480	1 320	---	---	9
10	---	---	---	---	1 870	1 340	1 830	1 330	1 280	1 240	---	---	10
11	---	---	---	---	1 830	1 870	1 680	1 240	1 170	1 190	---	---	11
12	---	---	---	---	1 880	1 830	1 870	1 280	1 180	1 180	---	---	12
13	---	---	---	---	1 740	1 440	1 880	1 880	1 070	1 120	---	---	13
14	---	---	---	---	1 870	1 800	1 830	1 480	1 080	1 280	---	---	14
15	---	---	---	---	1 330	1 880	1 850	1 880	1 110	1 280	---	---	15
16	---	---	---	---	1 380	1 430	1 870	1 810	1 120	1 240	---	---	16
17	---	---	---	---	1 480	1 480	1 280	1 480	882	1 380	---	---	17
18	---	---	---	---	1 280	1 380	1 330	1 480	1 080	1 280	---	---	18
19	---	---	---	---	1 380	1 070	1 370	1 810	1 080	1 180	---	---	19
20	---	---	---	---	1 880	1 410	1 380	1 870	1 080	1 180	---	---	20
21	---	---	---	---	1 550	1 870	1 350	1 830	1 100	1 240	---	---	21
22	---	---	---	---	1 180	1 640	1 360	1 880	1 080	1 340	---	---	22
23	---	---	---	---	1 370	1 340	1 880	1 890	1 080	1 180	---	---	23
24	---	---	---	---	1 740	1 350	1 870	1 830	1 080	1 020	---	---	24
25	---	---	---	---	1 870	1 440	1 880	1 840	1 090	1 200	---	---	25
26	---	---	---	---	1 880	1 230	1 880	1 840	1 080	1 020	---	---	26
27	---	---	---	1 000	1 840	1 180	1 830	1 880	1 080	777	---	---	27
28	---	---	---	1 050	1 880	1 480	1 840	1 380	1 110	885	---	---	28
29	---		---	1 130	1 870	1 820	1 470	1 330	880	820	---	---	29
30	---		---	1 140	1 480	1 800	1 250	1 840	819	843	---	---	30
31	---		---		1 870		1 440	1 480		734		---	31
TOTAL	---	---	---	---	48 880	47 030	48 820	48 840	33 413	34 080	---	---	TOTAL
MEAN	---	---	---	---	1 870	1 870	1 870	1 480	1 110	1 100	---	---	MEAN
MAX	---	---	---	---	1 810	2 210	1 870	1 840	1 480	1 280	---	---	MAX
MIN	---	---	---	---	1 180	1 070	1 250	1 240	847	843	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1 400
MAXIMUM DAILY, 2 210 ON JUN 4
MINIMUM DAILY, 843 ON OCT 30
MAXIMUM INSTANTANEOUS,
2 280 AT 23:30 MST ON JUN 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 55 05 N
LONG 118 35 10 W
DRAINAGE AREA, 130 000 km²
A - MANUAL GAUGE

REGULATED SINCE 1967

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4 180 000
FEB	---	AUG	3 880 000
MAR	---	SEP	2 880 000
APR	---	OCT	2 840 000
MAY	4 200 000	NOV	---
JUN	4 080 000	DEC	---

TOTAL DISCHARGE, 22 200 000 dam³

REMARKS - STARTING NOV 01 1989, WATER LEVELS FOR WINTER PERIOD ARE COLLECTED

PEACE RIVER AT FORT VERMILION - STATION NO. 07HF001

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	5.388A	5.142	6.247	6.338A	6.243	6.230	6.728	3.478	3.028A	---	1
2	---	---	5.167	5.188	6.438	6.130	6.736	6.078	6.706	3.436	---	---	2
3	---	---	5.038	5.180	6.244	6.087	6.830	6.018	6.678	3.381	---	---	3
4	---	---	4.818	5.183	6.081A	5.327	6.684	6.038	6.681	3.360	---	---	4
5	---	---	4.827	5.188	---	5.892	6.880	5.988	6.608	3.393	---	---	5
6	---	---	4.837	5.240	5.988A	5.727	6.284	6.308	6.178	3.512	---	---	6
7	---	---	4.873	5.292	6.888	5.738	6.384	6.847	3.820	3.628	---	---	7
8	---	---	5.138	5.347	6.810	5.884	6.240	6.378	3.708	3.683	---	---	8
9	---	---	5.231	5.347	6.613	6.457	6.107	6.308	3.888	3.617	---	---	9
10	---	---	5.228	5.282	6.878	6.484	6.000	6.000	3.777	3.601	---	---	10
11	---	---	5.211	5.173	6.038	6.227	6.870	6.828	6.081	3.880	---	---	11
12	---	---	5.217	5.077	5.178A	6.038	6.004	6.888	6.227	3.738	---	---	12
13	---	---	5.280	5.001	---	6.047	6.480	6.828	6.200	3.758	---	---	13
14	---	---	5.263	4.813	---	6.388	6.728	6.607	6.058	3.852	---	---	14
15	---	---	5.288	4.888	---	6.480	6.886	6.384	3.838	3.888	---	---	15
16	---	---	5.147	5.031	---	6.300	6.818	6.471A	3.830	3.837	---	---	16
17	---	---	4.881	5.241	---	6.233	6.308	6.631	3.713	3.881	---	---	17
18	---	---	4.783	5.388	---	6.188	6.118	6.518A	3.671	3.838	---	---	18
19	---	---	4.748	5.488	---	6.088	6.831	6.884	3.683	3.877	---	---	19
20	---	---	4.818	5.488	---	6.827	6.787	6.883	3.803	3.711	---	---	20
21	---	---	4.870	5.309	---	6.718	6.841	6.773	3.841	3.888	---	---	21
22	---	---	4.889	5.174	---	6.403A	6.484	6.888	3.888	3.822	---	---	22
23	---	---	4.838	5.243	---	6.337A	6.380	6.018	3.643	3.832	---	---	23
24	---	---	4.788	5.473	---	6.438A	6.288	6.818	3.823	3.847	---	---	24
25	---	---	4.818	5.882	---	6.442	6.241	6.838	3.830	3.888	---	---	25
26	---	---	4.480A	5.805	---	6.382A	6.387	6.881	3.818	3.888	---	---	26
27	---	---	6.448A	5.845	---	6.283A	6.488	6.484	3.483	3.884	---	---	27
28	---	---	4.818	5.809	---	6.228A	6.411	6.832	3.473	3.878	---	---	28
29	---		4.788A	5.804	---	6.180	6.378	6.438	3.488	3.874	---	---	29
30	---		4.838	5.881	---	6.088	6.387	6.283	3.484	3.284A	---	---	30
31	---		5.083		5.440A		6.323	6.843		3.088A		---	31
MEAN	---	---	4.881	5.344	---	6.882	6.647	6.738	3.878	3.842	---	---	MEAN
MAX	---	---	5.288	5.881	---	6.738	6.728	6.822	4.728	3.780	---	---	MAX
MIN	---	---	4.448	4.888	---	6.088	6.241	6.018	3.484	3.088	---	---	MIN

SUMMARY FOR THE YEAR 1989

WATER LEVELS IN METRES

MAXIMUM DAILY, 6.438 ON MAY 2

MAXIMUM INSTANTANEOUS,
6.514 AT 15:00 MST ON MAY 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 23 15 N
LONG 118 02 05 W

A - MANUAL GAUGE

REGULATED SINCE 1967

DRAINAGE AREA,
323 000 km²

WATER LEVELS ARE REFERRED TO ASSUMED DATUM
APPLY 243.508 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

PEACE RIVER AT PEACE POINT - STATION NO. 07KC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1 240B	1 470B	1 900B	1 340B	2 100B	4 300	2 580	2 430	3 870	1 540	1 450	1 180B	1
2	1 230B	1 500B	1 890B	1 430B	2 280B	4 330	2 600	2 350	3 650	1 540	1 400	1 410B	2
3	1 220B	1 530B	1 820B	1 500B	2 500B	4 280	2 580	2 350	3 380	1 530	1 240	1 580B	3
4	1 200B	1 570B	1 680B	1 580B	2 780B	4 220	2 470	2 400	3 080	1 510	1 110	1 570B	4
5	1 180B	1 900B	1 580B	1 980B	3 100B	4 130	2 400	2 480	2 830	1 480	884	1 510B	5
6	1 140B	1 810B	1 480B	1 810B	3 800B	4 010	2 380	2 480	2 740	1 500	1 000B	1 420B	6
7	1 080B	1 920B	1 390B	1 640B	4 100B	3 850	2 310	2 430	2 580	1 510	1 090B	1 380B	7
8	1 010B	1 820B	1 380B	1 670B	3 900B	3 740	2 230	2 380	2 380	1 540	1 280B	1 280B	8
9	1 020B	1 810B	1 680B	1 680B	3 780B	3 780	2 280	2 310	2 210	1 900	1 620B	1 260B	9
10	1 110B	1 800B	1 480B	1 700B	3 650B	4 000	2 840	2 210	2 110E	1 840	1 800B	1 280B	10
11	1 200B	1 810B	1 580B	1 710B	3 610B	4 210	2 870	2 130	1 950E	1 820	1 900B	1 270B	11
12	1 270B	1 820B	1 820B	1 710B	3 800B	4 380	3 010	2 130	1 880E	1 800	1 950B	1 280B	12
13	1 330B	1 880B	1 840B	1 700B	3 820	4 400	3 040	2 320	1 870E	1 800	1 720B	1 280B	13
14	1 380B	1 710B	1 670B	1 810B	3 880	4 320	3 210	2 840	1 890E	1 880	1 480B	1 230B	14
15	1 410B	1 800B	1 880B	1 800B	3 820	4 220	3 480	3 380	1 910E	1 710	1 190B	1 180B	15
16	1 430B	1 900B	1 710B	1 430B	3 880	4 140	3 590	3 230	1 910E	1 720	948B	1 120B	16
17	1 430B	2 000B	1 730B	1 380B	3 830	3 980	3 540	3 020	1 880E	1 660	852B	1 080B	17
18	1 400B	2 030B	1 720B	1 320B	3 720	3 750	3 410	2 780	1 810E	1 820	768B	1 080B	18
19	1 380B	2 020B	1 680B	1 320B	3 580	3 570	3 250	2 540	1 740	1 890	728B	1 080B	19
20	1 380B	2 010B	1 800B	1 340B	3 330	3 640	3 110	2 470	1 680	1 820	648B	1 100B	20
21	1 400B	1 980B	1 540B	1 380B	3 080	3 780	3 220	2 520	1 650	1 650	572B	1 150B	21
22	1 430B	1 970B	1 500B	1 420B	2 880	3 820	3 830	2 540	1 630	1 670	644B	1 210B	22
23	1 450B	1 950B	1 490B	1 420B	2 780	3 730	3 940	2 540	1 600	1 680	612B	1 360B	23
24	1 480B	1 940B	1 480B	1 410B	2 680	3 820	3 910	2 570	1 580	1 680	483B	1 410B	24
25	1 450B	1 940B	1 480B	1 420B	2 850	3 480	3 720	2 670	1 580	1 630	462B	1 400B	25
26	1 440B	1 930B	1 470B	1 450B	2 720	3 380	3 470	2 890	1 580	1 580	440B	1 380B	26
27	1 420B	1 920B	1 450B	1 520B	3 080	3 230	3 260	3 030	1 580	1 610	490B	1 290B	27
28	1 410B	1 910B	1 420B	1 580B	3 540	3 040	3 020	3 010	1 580	1 630	541B	1 200B	28
29	1 400B		1 350B	1 740B	3 870	2 820	2 820	2 930	1 550	1 620	652B	1 170B	29
30	1 420B		1 310B	1 900B	4 100	2 940	2 650	2 980	1 530	1 680	888B	1 180B	30
31	1 440B		1 300B		4 210		2 520	3 340		1 630		1 280B	31
TOTAL	40 780	48 840	48 340	48 090	103 970	114 810	93 020	81 840	82 950	49 880	30 805	38 410	TOTAL
MEAN	1 310	1 770	1 580	1 540	3 350	3 830	3 000	2 640	2 100	1 600	1 030	1 270	MEAN
MAX	1 480	2 030	1 900	1 900	4 210	4 400	3 940	3 380	3 870	1 720	1 850	1 970	MAX
MIN	1 010	1 470	1 300	1 320	2 100	2 640	2 230	2 130	1 530	1 480	480	1 080	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3 080
MAXIMUM DAILY, 4 400 ON JUN 13
MINIMUM DAILY, 480B ON NOV 26
MAXIMUM INSTANTANEOUS,
4 430 AT 08:38 MST ON JUN 13

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 06 50 N
LONG 117 26 36 W
DRAINAGE AREA, 293 000 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1968

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 830 000	JUL	8 040 000
FEB	4 290 000	AUG	7 070 000
MAR	4 180 000	SEP	5 440 000
APR	3 880 000	OCT	4 290 000
MAY	8 980 000	NOV	3 690 000
JUN	9 920 000	DEC	3 410 000

TOTAL DISCHARGE, 68 800 000 dam³

PEACE RIVER AT PEACE RIVER - STATION NO. 07HA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1 140B	1 660B	1 220B	1 870B	1 480	2 720	2 700	1 810	2 320	1 220	1 030	1 270	1
2	1 180B	1 630B	1 170B	1 570B	1 880	3 080	2 660	1 830	2 240	1 260	1 430	1 280	2
3	1 170B	1 610B	1 180B	1 660B	2 020	3 200	3 050	1 890	2 010	1 230	1 510	1 390	3
4	1 170B	1 680B	1 800B	1 840B	2 140	3 380	3 260	2 850	1 700	1 820	1 280	1 370	4
5	1 170B	1 660B	1 580B	1 870B	2 070	3 210	3 070	3 280	1 660	1 400	1 270	1 320	5
6	1 140B	1 670B	1 580B	1 800B	2 140	2 810	2 860	3 080	1 410	1 330	988	1 300	6
7	1 230B	1 800B	1 480B	1 800B	2 230	3 080	2 840	2 820	1 880	1 310	792	1 280	7
8	1 300B	1 920B	1 580B	1 400B	2 410	2 830	2 860	2 880	2 070	1 480	862	1 170	8
9	1 370B	1 840B	1 660B	1 280B	2 730	2 830	2 570	2 500	2 080	1 630	871	1 240	9
10	1 430B	1 900B	1 810B	1 330B	2 800	2 380	3 200	2 360	2 080	1 830	817	1 180	10
11	1 470B	1 930B	1 780B	1 200B	2 780	3 080	3 840	2 200	1 840	1 440	912	1 200	11
12	1 500B	1 900B	1 830B	1 120B	2 780	3 220	3 630	2 180	1 740	1 380	858	1 100	12
13	1 530B	1 830B	1 820B	1 180B	2 720	3 830	3 380	2 280	1 680	1 430	722	1 280	13
14	1 500B	1 840B	1 580B	1 280B	2 380	2 880	3 180	2 440	1 490	1 380	748	1 430	14
15	1 480B	1 780B	1 260B	1 350B	2 110	2 910	2 840	2 280	1 610	1 600	694	1 380	15
16	1 480B	1 710B	1 230B	1 480B	1 840	2 710	2 800	2 480	1 640	1 590	750	1 280	16
17	1 400B	1 880B	1 310B	1 500B	2 080	2 580	2 610	2 350	1 610	1 600	701	1 180	17
18	1 340B	1 820B	1 430B	1 140B	1 880	2 440	2 280	2 520	1 320	1 580	718	1 180	18
19	1 320B	1 630B	1 350B	1 200B	1 840	1 980	2 380	2 920	1 480	1 480	898	1 210	19
20	1 330B	1 820B	1 360B	1 350B	2 200	1 920	2 180	2 900	1 440	1 300	888B	1 120	20
21	1 350B	1 820B	1 420B	1 880B	3 040	2 280	2 180	2 780	1 430	1 350	880B	1 010B	21
22	1 360B	1 820B	1 240B	1 880B	3 140	2 280	2 060	2 810	1 440	1 580	1 490B	1 080B	22
23	1 310B	1 840B	1 030B	1 830B	2 790	2 000	2 130	2 640	1 420	1 610	2 120	1 680B	23
24	1 440B	1 770B	888B	1 800B	2 880	1 850	2 390	3 080	1 410	1 280	2 310	1 720B	24
25	1 440B	1 880B	1 180B	1 380	2 880	2 090	2 220	3 850	1 400	1 280	2 200	1 780B	25
26	1 480B	1 380B	1 300B	1 830	2 780	1 880	2 220	3 250	1 380	1 420	1 840	1 880B	26
27	1 520B	1 220B	1 400B	1 330	2 670	1 810	2 220	3 040	1 380	1 040	1 470	1 490B	27
28	1 480B	1 300B	1 580B	1 270	2 640	1 870	2 170	2 780	1 420	937	1 410	1 280B	28
29	1 480B		1 620B	1 380	2 750	2 880	2 070	2 380	1 340	1 000	1 440	1 110B	29
30	1 600B		1 580B	1 480	2 430	2 880	1 910	2 480	1 220	888	1 430	1 000B	30
31	1 720B		1 710B		2 380		1 820	2 580		794		1 000B	31
TOTAL	42 880	47 810	44 178	42 770	74 000	77 410	80 980	80 880	48 420	41 870	35 481	41 410	TOTAL
MEAN	1 380	1 710	1 430	1 430	2 420	2 580	2 610	2 610	1 610	1 340	1 180	1 340	MEAN
MAX	1 720	1 940	1 780	1 870	3 140	3 380	3 840	3 850	2 320	1 630	2 310	1 780	MAX
MIN	1 140	1 220	888	1 120	1 480	1 810	1 820	1 910	1 220	794	894	1 010	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1 890
MAXIMUM DAILY, 3 850 ON AUG 25
MINIMUM DAILY, 894 ON NOV 15
MAXIMUM INSTANTANEOUS,
3 780 AT 11:30 MST ON AUG 25

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 14 41 N
LONG 117 18 48 W
DRAINAGE AREA, 186 000 km²

B - ICE CONDITIONS

REGULATED SINCE 1967

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 880 000	JUL	7 000 000
FEB	4 140 000	AUG	6 880 000
MAR	3 820 000	SEP	4 180 000
APR	3 700 000	OCT	3 800 000
MAY	8 470 000	NOV	3 070 000
JUN	8 880 000	DEC	3 880 000

TOTAL DISCHARGE, 58 900 000 dam³

PEACE RIVER BELOW CHENAL DES QUATRE FOURCHES - STATION NO. 07KC005

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	207.158	208.548	208.262	208.284	208.408	208.141	207.685	---	207.788	1
2	---	---	---	207.232	208.688	208.198	208.289	208.416	208.088	207.698	---	207.888	2
3	---	---	---	207.331	208.842	208.118	208.247	208.476	208.031	207.678	---	208.336	3
4	---	---	---	207.446	208.188	208.087	208.330	208.468	208.780	207.585	---	208.317	4
5	---	---	---	207.516	---	208.088	208.483	208.278	208.887	207.482	---	208.288	5
6	---	---	---	207.588	---	208.080	208.611	208.180	208.841	207.518	---	208.282	6
7	---	---	---	207.642	---	208.106	208.700	208.137	208.878	207.528	---	208.233	7
8	---	---	---	207.631	---	209.183	208.788	208.182	208.4338	207.541	---	208.308	8
9	207.488A	---	---	207.667	---	209.285	208.848	208.378	208.2908	207.585	---	208.252	9
10	---	208.063A	---	207.708	---	208.323	208.032	208.078	208.1478	207.585	207.824	208.208	10
11	---	207.881	---	207.737	---	208.280	208.034	208.884	208.0048	207.648	207.188	208.208	11
12	---	207.858	---	207.780	---	208.202	208.888	208.883	207.881A	207.845	207.225	208.234	12
13	---	207.880	207.778	207.788	---	208.118	208.888	208.888	207.873	207.848	207.331	208.238	13
14	---	---	207.886	207.744	---	208.038	208.808	208.883	207.884	207.888	207.838	208.238	14
15	---	---	207.888	207.713	---	208.850	208.883	208.783	208.088	207.738	207.782	208.230	15
16	---	---	207.720	207.677	---	208.883	208.038	208.811	208.177	207.740	207.823	208.228	16
17	---	---	207.788	207.828	---	209.048	208.180	208.845	208.181	---	207.782	208.221	17
18	---	---	207.778	207.883	---	208.105	208.181	208.448	208.088	---	207.737	---	18
19	---	---	207.788	207.885	208.7384	208.181	208.127	208.387	208.004	---	207.718	---	19
20	---	208.224	207.718	207.808	208.730	209.037	208.088	208.434	207.843	---	207.888	---	20
21	---	208.224	207.832	207.888	208.888	208.882	208.048	208.872	207.884	---	207.888A	---	21
22	---	208.2808A	207.838	207.881	208.438	208.813	208.887	208.804	207.814	---	207.871	---	22
23	---	208.220	207.877	207.900	208.337	208.817	208.878	208.871	207.7888	---	207.881	---	23
24	---	208.183	207.418	207.888	208.347	208.772	208.810	208.C80	207.7858	207.888A	207.847	---	24
25	---	---	207.417	207.880	208.418	208.847	208.872	208.848	207.7278	207.832	207.803	---	25
26	---	---	207.430	207.843	208.848	208.820	208.801	208.781	207.887A	207.878	207.880	---	26
27	207.881A	---	207.408	207.878	208.872	208.801	208.438	208.787	207.883	---	207.818	---	27
28	---	---	207.381	208.078	208.838	208.487	208.378	208.801	207.873	---	207.818	---	28
29	---		207.324	208.228	208.138	208.388	208.347	208.845	207.713	---	207.818	---	29
30	---		207.337	208.407	208.148	208.282	208.372	208.018	207.732	---	207.884	---	30
31	---		207.182		208.234		208.408	208.182		---		---	31
MEAN	---	---	---	207.722	---	208.858	208.711	208.807	208.188	---	---	---	MEAN
MAX	---	---	---	208.407	---	209.323	208.181	208.182	208.141	---	---	---	MAX
MIN	---	---	---	207.158	---	208.282	208.247	208.137	207.882	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 209.323 ON JUN 10

MAXIMUM INSTANTANEOUS,
209.368 AT 16:00 MST ON JUN 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT. 58 54 00 N
LONG 111 38 00 W

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1967

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

PEAVINE CREEK NEAR PALMER - STATION NO. 07GH004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.038	0.084	0.003	0.001	0.036	0.018	---	---	1
2	---	---	0B	0 B	0.038	0.040	0.008	0.001	0.018	0.048	---	---	2
3	---	---	0B	0 B	0.027	0.030	0.008	0.001	0.005	0.081	---	---	3
4	---	---	0B	0 B	0.021	0.018	0.003	0.001	0.004	0.118	---	---	4
5	---	---	0B	0 B	0.015	0.018	0.003	0	0.002	0.103	---	---	5
6	---	---	0B	0 B	0.011	0.018	0.002	0.001	0.002	0.113	---	---	6
7	---	---	0B	0.0018	0.007	0.017	0.002	0	0.003	0.348	---	---	7
8	---	---	0B	0.0018	0.008	0.031	0.003	0	0.003	0.304	---	---	8
9	---	---	0B	0.0028	0.007	0.018	0.004	0	0.001	0.288	---	---	9
10	---	---	0B	0.0088	0.007	0.018	0.017	0.001	0.001	0.288	---	---	10
11	---	---	0B	0.4408	0.007	0.010	0.012	0	0.001	0.232	---	---	11
12	---	---	0B	3.48 B	0.008	0.008	0.008	0	0.001	0.202	---	---	12
13	---	---	0B	4.87 A	0.010	0.008	0.004	0	0.001	0.220	---	---	13
14	---	---	0B	5.88 A	0.008	0.004	0.003	0	0.001	0.187	---	---	14
15	---	---	0B	6.21	0.008	0.003	0.002	0	0.001	0.234	---	---	15
16	---	---	0B	3.42	0.004	0.003	0.002	0	0.002	0.140	---	---	16
17	---	---	0B	3.85 A	0.004	0.003	0.003	0.001	0.002	0.118	---	---	17
18	---	---	0B	3.85	0.004	0.003	0.003	0.001	0.003	0.088	---	---	18
19	---	---	0B	3.35	0.021	0.003	0.003	0.001	0.003	0.072	---	---	19
20	---	---	0B	2.44	0.434	0.003	0.002	0.001	0.001	0.080	---	---	20
21	---	---	0B	1.83	1.10	0.002	0.001	0.001	0.001	0.083	---	---	21
22	---	---	0B	0.829	1.15	0.002	0.001	0.001	0.001	0.048	---	---	22
23	---	---	0B	0.871	0.848	0.002	0	0.002	0.001	0.037	---	---	23
24	---	0B	0B	0.338	0.873	0.002	0	0.002	0.001	0.030	---	---	24
25	---	0B	0B	0.183	0.443	0.002	0.001	0.002	0.001	0.027	---	---	25
26	---	0B	0B	0.131	0.288	0.002	0	0.002	0.002	0.028	---	---	26
27	---	0B	0B	0.088	0.183	0.002	0.001	0.002	0.002	0.024	---	---	27
28	---	0B	0B	0.078	0.138	0.002	0	0.002	0.002	0.023	---	---	28
29	---		0B	0.088	0.108	0.001	0	0.002	0.002	0.018	---	---	29
30	---		0B	0.050	0.088	0.002	0	0.002	0.008	0.020	---	---	30
31	---		0B		0.055		0	0.088		0.024A		---	31
TOTAL	---	---	0	47.804	5.814	0.307	0.103	0.088	0.101	3.882	---	---	TOTAL
MEAN	---	---	0	1.88	0.188	0.010	0.003	0 003	0.003	0.118	---	---	MEAN
MAX	---	---	0	8.88	1.15	0.084	0.017	0.088	0.034	0.348	---	---	MAX
MIN	---	---	0	0	0.004	0.001	0	0	0.001	0.018	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.239
MAXIMUM DAILY, 8.88A ON APR 14
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
12.3 AT 08:00 MST ON APR 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT. 58 37 41 N
LONG 117 15 30 W
DRAINAGE AREA, 837 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	8.81
FEB	---	AUG	7.43
MAR	0	SEP	8.73
APR	4 130	OCT	307
MAY	802	NOV	---
JUN	28.8	DEC	---

TOTAL DISCHARGE, 4 990 dam³

REMARKS - PEAK DISCHARGE WAS DERIVED FROM HIGH WATER MARK

PEERLESS LAKE NEAR PEERLESS LAKE - STATION NO. 07JB001

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	25.172	25.186	25.182	25.288	25.335	25.344	25.365	25.335	---	---	1
2	---	---	25.172	25.186	25.184	25.284	25.336	25.365	25.361	25.331	---	---	2
3	---	---	25.173	25.183	25.185	25.298	25.339	25.368	25.358	25.334	---	---	3
4	---	---	25.173	25.183	25.186	25.303	25.338	25.364	25.353	25.331A	---	---	4
5	---	---	25.173	25.182	25.187	25.302	25.339	25.367	25.350	25.331A	---	---	5
6	---	---	25.178	25.181	25.188	25.305	25.336	25.367	25.347	25.330A	---	---	6
7	---	---	25.180	25.180	25.180	25.312	25.338	25.366	25.338A	25.326A	---	---	7
8	---	---	25.181	25.185	25.183	25.316	25.338	25.366	25.338A	25.324A	---	---	8
9	---	---	25.180	25.184	25.185	25.316	25.340	25.367	25.327	25.328A	---	---	9
10	---	---	25.178	25.184	25.185	25.316	25.340	25.364	25.327	25.328A	---	---	10
11	---	---	25.180	25.183	25.188	25.320	25.338	25.365	25.324	25.328A	---	---	11
12	---	---	25.183	25.183	25.201	25.320	25.338	25.364	25.324	25.326A	---	---	12
13	---	---	25.184	25.180	25.202	25.315	25.339	25.365	25.325	25.329A	---	---	13
14	---	---	25.183	25.180	25.203	25.314	25.338	25.363	25.320	25.327A	---	---	14
15	---	---	25.182	25.178	25.204	25.320	25.335	25.360	25.316	25.327A	---	---	15
16	---	---	25.180	25.178	25.203	25.316	25.332	25.364	25.314	25.327A	---	---	16
17	---	---	25.180	25.178	25.201	25.317	25.333	25.363	25.314	25.328A	---	---	17
18	---	---	25.181	25.177	25.200	25.316	25.344	25.366	25.319	25.326A	---	---	18
19	---	---	25.182	25.176	25.203A	25.315	25.344	25.364	25.310	25.328A	---	---	19
20	---	---	25.183	25.178	25.221A	25.314	25.347	25.363	25.306	25.327A	---	---	20
21	---	25.181A	25.184	25.174	25.238A	25.318	25.366	25.362	25.306	25.327A	---	---	21
22	---	25.181	25.185	25.174	25.261A	25.318	25.361A	25.377	25.310	25.326A	---	---	22
23	---	25.182	25.185	25.174	25.267A	25.318	25.356A	25.376	25.305	25.334A	---	---	23
24	---	25.181	25.184	25.178	25.262A	25.318	25.356A	25.374	25.309	25.324A	---	---	24
25	---	25.177	25.187	25.177	25.256A	25.317	25.356A	25.372	25.312	25.323A	---	---	25
26	---	25.177	25.188	25.180	25.268	25.311	25.356A	25.368	25.308	25.321A	---	---	26
27	---	25.176	25.181	25.180	25.274	25.310	25.364A	25.368	25.303	25.320A	---	---	27
28	---	25.173	25.186	25.178	25.278	25.311	25.366	25.363	25.306	25.320A	---	---	28
29	---		25.186	25.180	25.277	25.315	25.367	25.360	25.309	25.318A	---	---	29
30	---		25.187	25.181	25.281	25.330	25.365	25.358	25.327	25.318A	---	---	30
31	---		25.186		25.281		25.368	25.356		25.320A		---	31
MEAN	---	---	25.183	25.182	25.221	25.312	25.344	25.361	25.324	25.328	---	---	MEAN
MAX	---	---	25.186	25.186	25.281	25.330	25.368	25.368	25.361	25.336	---	---	MAX
MIN	---	---	25.172	25.174	25.182	25.288	25.328	25.348	25.303	25.319	---	---	MIN

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 36 10 N
LONG 114 36 08 W

A - MANUAL GAUGE

NATURAL FLOW

DRAINAGE AREA,
478 km²

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

PELICAN CREEK NEAR PAKOWKI ROAD - STATION NO. 05AH041

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0A	0	0.311	0.023	0.211	B	0	0	0	0	---	1
2	---	0	0	0.188	0.018	0.188	0	0	0	0	0	---	2
3	---	0	0	0.078	0.018	0.100	0	0	0	0	0	---	3
4	---	0	0	0.100	0.013	0.081	0	0	0	0	0	---	4
5	---	0	0	0.082	0.009	0.036	0	0	0	0	0	---	5
6	---	0	0	0.047	0.008	0.026	0	0	0	0	0	---	6
7	---	0	0	0.026	0.003	0.019	0	0	0	0	0A	---	7
8	---	0	0	0.020	0.003	0.011	0	0	0	0	---	---	8
9	---	0	0 B	0.012	0.002	0.008	0	0	0	0	---	---	9
10	---	0	0 B	0.020	0.001	0.011	0	0	0	0	---	---	10
11	---	0	0 B	0.022	0	0.028	0	0	0	0	---	---	11
12	---	0	0 B	0.018	0	0.024	0	0	0	0	---	---	12
13	---	0	0 B	0.018	0	0.013	0	0	0	0	---	---	13
14	---	0	0 B	0.403	0	0.007	0	0	0	0	---	---	14
15	---	0	0 B	0.437	0	0.004	0	0	0	0	---	---	15
16	---	0	0 B	0.841	0	0.004	0	0	0	0	---	---	16
17	---	0	0 B	0.607	0	0.004	0	0	0	0	---	---	17
18	---	0	0 B	0.355	0	0.002	0	0	0	0	---	---	18
19	---	0	0 B	0.185	0	0.001	0	0	0	0	---	---	19
20	---	0	0 B	0.084	0	0.001	0	0	0	0	---	---	20
21	---	0	0 B	0.115	0	0	0	0	0	0	---	---	21
22	---	0	0 B	0.263	0	0	0	0	0	0	---	---	22
23	---	0	0.0018	0.287	0	0	0	0	0	0	---	---	23
24	---	0	0.0028	0.248	0	0	0	0	0	0	---	---	24
25	---	0	0.0038	0.174	0	0.001	0	0	0	0	---	---	25
26	---	0	0.0048	0.131	0	0.003	0	0	0	0	---	---	26
27	---	0	0.0068	0.079	0	0.001	0	0	0	0	---	---	27
28	---	0	0.0048	0.053	0	0	0	0	0	0	---	---	28
29	---		0.0018	0.036	0.061	0	0	0	0	0	---	---	29
30	---		0.0018	0.038	0.661	0	0	0	0	0	---	---	30
31	---		0.534		0		0	0		0		---	31
TOTAL	---	0	0.655	5.036	0.097	0.758	0	0	0	0	---	---	TOTAL
MEAN	---	0	0.018	0.168	0.003	0.025	0	0	0	0	---	---	MEAN
MAX	---	0	0.534	0.841	0.023	0.211	0	0	0	0	---	---	MAX
MIN	---	0	0	0.012	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.024
MAXIMUM DAILY, 0.841 ON APR 16
MINIMUM DAILY, 0A ON FEB 1
MAXIMUM INSTANTANEOUS,
0.789 AT 23:10 MST ON APR 16

SUMMARY FOR THE MONTHS FEB TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 34 50 N
LONG 110 55 30 W

DRAINAGE AREA, 440 km²

A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	0	AUG	0
MAR	48.0	SEP	0
APR	435	OCT	0
MAY	8.38	NOV	---
JUN	65.5	DEC	---

TOTAL DISCHARGE, 557 dam³

PEKISKO CREEK NEAR LONGVIEW - STATION NO. 05BL023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0608	0.1828	1.22	1.71	0.339	0.028	0.383	0.332	0.3738	---	1
2	---	---	0.0828	0.1708	1.56	1.80	0.262	0.021	0.304	0.327	---	---	2
3	---	---	0.0908	0.1748	1.72	1.84	0.234	0.017	0.248	0.311	---	---	3
4	---	---	0.0958	0.1808	1.78	1.81	0.194	0.018	0.208	0.309	---	---	4
5	---	---	0.1008	0.2688	1.78	1.70	0.201	0.027	0.283	0.189	---	---	5
6	---	---	0.1038	0.2088	2.13	1.68	0.165	0.049	0.427	0.219	---	---	6
7	---	---	0.1048	0.1858	3.11	1.61	0.149	0.105	0.407	0.208	---	---	7
8	---	---	0.1048	0.2008	3.08	1.50	0.108	0.123	0.424	0.200	---	---	8
9	---	---	0.1048	0.2158	2.88	1.48	0.088	0.052	0.388	0.192	---	---	9
10	---	---	0.1048	0.2358	2.83	1.62	0.284	0.080	0.377	0.191	---	---	10
11	---	---	0.1048	0.3078	3.08	1.61	0.512	0.068	0.436	0.248	---	---	11
12	---	---	0.1038	0.3808	2.73	1.33	0.338	0.065	0.481	0.318	---	---	12
13	---	---	0.1018	0.4808	2.38	1.19	0.282	0.048	0.418	0.194	---	---	13
14	---	---	0.1008	0.5818	2.01	1.06	0.264	0.048	0.387	0.208	---	---	14
15	---	---	0.0958	0.9148	1.78	0.950	0.217	0.040	0.311	0.208	---	---	15
16	---	---	0.0828	0.7808	1.88	1.17	0.187	0.030	0.388	0.300	---	---	16
17	---	---	0.0808	0.8118	1.87	1.16	0.200	0.028	0.320	0.224	---	---	17
18	---	---	0.0858	0.8208	1.80	0.983	0.183	0.038	0.368	0.178	---	---	18
19	---	---	0.0838	0.832	1.41	0.794	0.147	0.040	0.338	0.171	---	---	19
20	---	---	0.0888	0.888	1.27	0.712	0.129	0.043	0.273	0.189	---	---	20
21	---	---	0.0868	0.901	1.14	0.868	0.108	0.040	0.187	0.188	---	---	21
22	---	---	0.0858	1.33	0.980	0.818	0.088	0.036	0.182	0.188	---	---	22
23	---	---	0.0888	1.30	1.03	0.888	0.078	0.031	0.133	0.183	---	---	23
24	---	---	0.0888	0.881	1.07	0.888	0.070	0.028	0.148	0.188	---	---	24
25	---	---	0.0878	0.748	1.01	0.841	0.084	0.042	0.188	0.170	---	---	25
26	---	---	0.0908	0.788	0.888	0.800	0.088	0.088	0.172	0.174	---	---	26
27	---	0.0878	0.0858	0.703	1.00	0.834	0.088	0.048	0.148	0.187	---	---	27
28	---	0.0828	0.1068	0.817	1.17	0.883	0.073	0.311	0.148	0.218	---	---	28
29	---		0.1388	0.800	1.08	0.434	0.047	0.328	0.088	0.2808	---	---	29
30	---		0.1468	0.850	1.27	0.382	0.040	0.268	0.128	0.3008	---	---	30
31	---		0.1588		1.63		0.030	0.304		0.3388		---	31
TOTAL	---	---	3.081	18.512	53.748	33.331	5.221	2.854	8.307	8.370	---	---	TOTAL
MEAN	---	---	0.099	0.850	1.73	1.11	0.168	0.082	0.274	0.208	---	---	MEAN
MAX	---	---	0.158	1.33	3.11	1.84	0.512	0.328	0.481	0.335	---	---	MAX
MIN	---	---	0.080	0.182	0.880	0.382	0.030	0.017	0.088	0.183	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.527
MAXIMUM DAILY, 3.11 ON MAY 7
MINIMUM DAILY, 0.017 ON AUG 3
MAXIMUM INSTANTANEOUS,
3.32 AT 15:51 MST ON MAY 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 28 28 N
LONG 114 12 20 W
DRAINAGE AREA, 332 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	461
FEB	---	AUG	221
MAR	286	SEP	709
APR	1 430	OCT	850
MAY	4 640	NOV	---
JUN	2 880	DEC	---

TOTAL DISCHARGE, 11 100 dam³

PEMBINA RIVER AT JARVIS - STATION NO. 07BC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.888	3.008	3.918	4.808	43.8	88.4	133	81.8	133	80.7	40.8	17.08	1
2	3.888	3.008	3.918	4.848	41.8	84.3	147	68.1	117	48.0	38.7	17.88	2
3	3.308	3.008	3.918	4.828	38.8	88.8	132	80.8	118	47.8	38.0	18.88	3
4	3.288	3.008	3.918	4.838	38.4	82.1	118	88.2	128	46.8	36.8	18.18	4
5	3.888	3.008	3.918	3.808	38.7	88.7	103	246	184	44.8	38.0	18.38	5
6	3.838	3.888	3.918	4.228	43.8	35.8	93.3	340	148	43.1	36.1	18.38	6
7	3.838	3.888	3.918	7.728	48.3	33.8	88.0	451	148	43.0	38.08	18.78	7
8	3.838	3.888	3.918	8.788	48.3	30.1	74.8	451	143	41.2	34.08	18.18	8
9	3.888	3.888	3.918	34.4 e	48.8	28.1	88.8	401	138	40.8	34.08	18.38	9
10	3.818	3.888	3.918	43.0 e	48.8	27.8	130	351	130	38.8	33.08	18.18	10
11	3.718	3.888	3.808	42.8 e	48.4	27.0	187	288	118	38.0	33.08	18.88	11
12	3.718	3.888	3.808	42.0 e	44.8	28.2	228	248	113	38.8	31.08	17.08	12
13	3.728	3.888	2.808	40.8 e	42.3	84.8	261	228	104	38.2	38.08	18.88	13
14	3.738	3.888	2.808	44.7 e	40.1	86.1	288	200	97.8	38.1	28.08	18.88	14
15	3.738	3.888	3.008	80.0 e	37.8	82.8	248	178	91.8	41.0	24.08	14.08	15
16	3.718	4.838	2.808	84.0 e	38.3	84.2	188	168	88.8	43.8	21.08	15.48	16
17	3.708	3.838	2.808	82.0 e	33.4	88.7	168	148	77.7	44.8	20.08	17.48	17
18	3.708	3.838	3.808	88.0 e	30.8	84.1	138	142	72.8	43.2	20.08	16.88	18
19	3.708	3.838	3.808	81.0	31.8	81.5	135	184	70.8	41.8	20.08	16.18	19
20	3.708	3.838	3.808	73.4	32.0	82.3	124	228	88.1	40.4	19.88	18.48	20
21	3.688	3.818	3.808	84.8	32.8	82.8	108	383	88.8	38.7	19.08	14.88	21
22	3.848	3.818	3.808	88.8	82.8	83.8	103	280	71.1	38.4	33.18	13.88	22
23	3.638	3.818	3.808	82.8	88.4	81.1	88.7	258	88.8	38.8	31.48	13.38	23
24	3.688	3.818	3.808	83.3	84.8	46.8	77.8	238	88.7	38.8	28.08	13.08	24
25	3.708	3.818	3.808	84.4	80.8	43.3	74.8	234	83.4	38.8	24.08	13.28	25
26	3.748	3.818	3.808	83.2	88.1	38.8	70.8	211	88.7	37.8	20.88	13.78	26
27	3.788	3.818	3.808	84.7	81.8	37.8	87.8	188	88.3	38.2	17.38	14.78	27
28	3.838	3.818	3.808	83.4	78.1	38.8	83.8	171	88.4	38.8	15.78	15.88	28
29	3.878		3.708	80.3	87.8	38.7	88.8	183	84.8	41.8	18.38	16.18	29
30	3.918		4.808	47.8	82.4	88.7	87.8	183	82.8	41.8	18.48	18.88	30
31	3.888		4.808		88.8		88.1	138		41.8		18.78	31
TOTAL	82.82	82.83	84.88	1 348.88	1 808.8	1 377.8	3 831.4	8 723.8	2 883.2	1 387.4	833.3	808.8	TOTAL
MEAN	2.87	2.85	3.83	45.8	81.8	45.8	124	217	88.4	41.8	27.4	18.3	MEAN
MAX	3.88	3.88	4.88	84.8	84.8	88.7	288	481	184	88.7	48.8	18.8	MAX
MIN	3.38	3.81	3.88	3.88	38.8	27.8	88.1	88.1	82.8	38.2	18.7	13.8	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 58.8
MAXIMUM DAILY, 481 ON AUG 7
MINIMUM DAILY, 3.288 ON JAN 4
MAXIMUM INSTANTANEOUS,
488 AT 03:08 MST ON AUG 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 84 27 08 N
LONG 113 59 30 W
DRAINAGE AREA, 13 100 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	7 180	JUL	331 000
FEB	7 140	AUG	661 000
MAR	8 130	SEP	247 000
APR	117 000	OCT	111 000
MAY	138 000	NOV	71 100
JUN	119 000	DEC	43 800

TOTAL DISCHARGE, 1 780 000 dam³

PEMBINA RIVER BELOW PADDY CREEK - STATION NO. 07BA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1969

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.87B	2.17B	25.3B	20.8	52.7	21.5	70.1	22.2	14.1B	---	1
2	---	---	1.85B	2.27B	29.5	18.1	45.4	40.5	73.0	21.5	---	---	2
3	---	---	1.80B	2.36B	35.3	17.2	39.8	140	70.3	20.8	---	---	3
4	---	---	1.75B	2.43B	35.5	15.5	35.9	239	66.7	20.0	---	---	4
5	---	---	1.70B	2.48B	34.7	14.3	32.9	231	63.5	19.4	---	---	5
6	---	---	1.70B	2.55B	33.0	13.4	31.1	202	58.2	19.1	---	---	6
7	---	---	1.75B	2.71B	32.4	12.3	28.0	152	56.7	18.6	---	---	7
8	---	---	1.80B	2.73B	30.7	11.8	43.0	128	55.3	18.5	---	---	8
9	---	---	1.80B	2.72B	28.0	13.2	89.0	106	55.7	18.1	---	---	9
10	---	---	1.80B	2.96B	27.0	18.2	120	95.5	53.9	17.6	---	---	10
11	---	---	1.78B	3.82B	24.9	31.8	151	84.5	50.8	18.9	---	---	11
12	---	---	1.76B	5.35B	23.7	30.1	151	71.4	46.1	21.7	---	---	12
13	---	---	1.76B	8.14B	21.8	34.1	115	60.0	42.0	23.6	---	---	13
14	---	---	1.74B	12.2 B	18.9	28.8	88.0	50.1	38.4	24.8	---	---	14
15	---	---	1.72B	14.0 B	16.8	28.7	73.8	43.5	35.4	24.5	---	---	15
16	---	---	1.70B	13.0 B	15.3	31.5	74.2	47.2	33.2	23.8	---	---	16
17	---	---	1.68B	13.4 B	14.4	33.4	75.3	107	33.6	22.7	---	---	17
18	---	---	1.66B	14.8 B	14.4	37.8	64.7	171	37.9	21.4	---	---	18
19	---	---	1.64B	15.9 B	16.8	32.5	58.3	152	40.5	20.1	---	---	19
20	---	---	1.62B	17.5 B	26.5	29.1	48.8	127	39.0	19.7	---	---	20
21	---	---	1.61B	19.0 B	32.5	27.8	45.0	111	37.0	19.2	---	---	21
22	---	---	1.60B	23.4 B	34.5	25.8	45.9	97.0	35.2	18.9	---	---	22
23	---	---	1.62B	23.5 B	32.9	22.9	45.7	88.4	33.0	18.3	---	---	23
24	---	---	1.66B	25.4 B	30.4	20.9	41.0	80.6	31.2	18.0	---	---	24
25	---	---	1.70B	24.1 B	27.9	19.2	38.0	71.9	29.5	18.5	---	---	25
26	---	---	1.78B	23.9 B	28.5	19.5	38.0	67.3	28.2	19.2	---	---	26
27	---	---	1.61B	22.3 B	25.3	28.6	31.9	67.2	26.9	19.6	---	---	27
28	---	---	1.64B	21.4 B	25.3	66.5	28.4	63.5	25.7	19.9	---	---	28
29	---		1.67B	20.0 B	26.2	72.6	28.0	58.2	24.8	19.1B	---	---	29
30	---		1.93B	21.9 B	24.5	61.9	25.4	57.6	23.2	17.0B	---	---	30
31	---		2.06B		22.3		23.3	56.3		15.4B		---	31
TOTAL	---	---	54.81	366.20	813.3	851.3	1 808.3	3 104.3	1 317.8	620.8	---	---	TOTAL
MEAN	---	---	1.78	12.2	26.2	28.4	58.3	100	43.9	20.0	---	---	MEAN
MAX	---	---	2.06	25.4	35.5	72.6	151	239	73.0	24.8	---	---	MAX
MIN	---	---	1.60	2.17	14.4	11.8	23.3	21.5	23.2	15.4	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 36.5
MAXIMUM DAILY, 239 ON AUG 4
MINIMUM DAILY, 1.60B ON MAR 22
MAXIMUM INSTANTANEOUS,
248 AT 14:04 MST ON AUG 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 07 47 N
LONG 115 19 30 W
DRAINAGE AREA, 2 900 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	156 000
FEB	---	AUG	268 000
MAR	4 720	SEP	114 000
APR	31 600	OCT	53 600
MAY	70 300	NOV	---
JUN	73 600	DEC	---

TOTAL DISCHARGE, 772 000 dam³

PEMBINA RIVER NEAR ENTWISTLE - STATION NO. 07BB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1969

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.66B	2.52B	2.21B	4.10B	29.5	30.0	81.3	27.3	68.1	26.0	18.3 A	13.3 B	1
2	2.66B	2.50B	2.21B	4.30B	31.6	27.6	75.3	41.8	66.7	25.0	18.5 B	13.0 B	2
3	2.66B	2.48B	2.21B	4.50B	35.1	25.4	65.5	175	64.8	24.3	18.5 B	12.6 B	3
4	2.66B	2.47B	2.21B	5.70B	41.1	23.2	56.0	334	62.5	23.5	18.5 B	12.1 B	4
5	2.66B	2.46B	2.21B	6.52B	41.6	20.7	52.4	392	64.3	23.3	18.5 B	10.8 B	5
6	2.65B	2.44B	2.21B	7.32B	41.2	18.7	47.2	335	84.6	23.1	18.3 B	9.50B	6
7	2.65B	2.43B	2.18B	8.11B	39.3	17.3	44.0	276	77.7	22.5	18.1 B	9.20B	7
8	2.65B	2.41B	2.10B	7.67B	38.0	16.1	64.8	220	72.7	21.8	16.7 B	8.65B	8
9	2.65B	2.40B	2.06B	6.39B	36.3	17.6	89.9	175	58.3	21.2	17.8 B	8.00B	9
10	2.65B	2.38B	1.99B	6.15B	34.5	26.4	173	152	57.5	20.9	18.1 B	7.60B	10
11	2.62B	2.37B	1.94B	6.10B	32.2	36.0	195	135	53.9	21.8	17.0 B	8.02B	11
12	2.62B	2.35B	1.94B	13.1 B	29.5	47.6	221	112	56.6	24.7	13.5 B	8.23B	12
13	2.62B	2.33B	1.94B	14.8 B	27.9	53.3	166	90.8	53.0	28.7	11.4 B	7.30B	13
14	2.62B	2.32B	1.94B	12.8 B	25.4	48.7	136	74.4	46.5	29.7	9.05B	7.04B	14
15	2.62B	2.30B	1.94B	27.5 B	23.6	43.6	105	62.3	44.7	28.2	8.10B	6.66B	15
16	2.56B	2.28B	1.94B	35.1 B	21.0	41.3	99.4	86.2	42.6	28.8	10.6 B	6.21B	16
17	2.56B	2.27B	1.94B	38.7 B	19.1	41.5	89.1	95.6	41.6	26.1	14.4 B	6.04B	17
18	2.56B	2.26B	1.94B	29.5 B	17.6	42.3	87.3	168	42.6	23.9	16.1 B	6.05B	18
19	2.56B	2.24B	1.94B	31.7 B	20.1	43.3	73.4	212	47.9	22.6	15.6 B	6.20B	19
20	2.56B	2.23B	1.94B	33.1	38.2	42.4	64.7	177	46.7	22.3	15.1 B	6.30B	20
21	2.55B	2.21B	1.94B	32.8	52.4	36.6	54.9	157	48.0	22.7	16.5 B	6.20B	21
22	2.55B	2.21B	1.94B	38.2	57.0	35.4	50.1	141	44.2	22.2	14.0 B	6.20B	22
23	2.55B	2.21B	1.94B	35.5	56.5	32.1	51.5	125	41.7	21.7	13.0 B	6.20B	23
24	2.55B	2.21B	1.98B	41.6	53.5	28.9	50.3	112	39.2	21.6	13.0 B	6.10B	24
25	2.55B	2.21B	2.00B	43.7	49.4	26.1	46.0	96.0	36.5	23.6	13.6 B	6.10B	25
26	2.52B	2.21B	2.30B	40.0	44.5	24.3	42.8	85.5	33.9	26.7	15.3 B	6.00B	26
27	2.52B	2.21B	2.50B	37.4	41.1	36.5	40.5	78.1	31.5	27.7	17.0 B	6.00B	27
28	2.52B	2.21B	2.80B	34.9	38.2	69.3	36.9	76.9	30.0	27.0	17.0 B	6.00B	28
29	2.52B		3.10B	32.2	35.7	118	33.4	72.2	28.3	26.0	16.0 B	6.00B	29
30	2.52B		3.50B	29.6	34.0	112	30.4	86.9	26.9	24.6	14.5 B	6.00B	30
31	2.52B		4.00B		32.4		28.1	86.3		23.4A		6.00B	31
TOTAL	80.52	65.14	68.86	670.26	1 116.8	1 186.3	2 485.0	4 362.8	1 659.4	752.6	470.01	238.82	TOTAL
MEAN	2.60	2.33	2.22	22.3	36.1	39.6	80.2	141	55.3	24.3	15.7	7.74	MEAN
MAX	2.66	2.52	4.00	43.7	57.0	118	221	392	84.6	29.7	18.5	13.3	MAX
MIN	2.52	2.21	1.94	4.10	17.6	16.1	28.1	27.3	26.9	20.9	8.10	6.00	MIN

SUMMARY FOR THE YEAR 1969

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 36.1
MAXIMUM DAILY, 392 ON AUG 5
MINIMUM DAILY, 1.94B ON MAR 11
MAXIMUM INSTANTANEOUS,
406 AT 02:48 MST ON AUG 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 36 16 N
LONG 115 00 14 W
DRAINAGE AREA, 4 420 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	6 960	JUL	215 000
FEB	5 630	AUG	377 000
MAR	5 950	SEP	143 000
APR	57 900	OCT	65 000
MAY	96 500	NOV	40 600
JUN	103 000	DEC	20 700

TOTAL DISCHARGE, 1 140 000 dam³

PIGEON LAKE AT GRANDVIEW - STATION NO. 05PA013

DAILY WATER LEVEL IN METRES FOR 1969

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	850.047	850.080	---	848.880	---	1
2	---	---	---	---	---	850.061	850.058	850.034	---	848.884	848.880	---	2
3	---	---	---	---	---	850.057	850.058	---	---	848.884	848.878	---	3
4	---	---	---	---	---	850.061	850.060	850.088	850.038	848.882	---	---	4
5	---	---	---	---	---	850.061	850.058	---	850.038	848.888	848.886	---	5
6	---	---	---	848.884	---	---	850.058	850.085	850.028	848.888	848.882	---	6
7	---	---	---	---	---	850.058	---	850.083	---	848.888	848.888	---	7
8	---	---	---	---	848.874	850.058	---	850.085	850.020	848.888	848.878	---	8
9	---	---	---	---	848.878	---	850.082	850.085	---	848.884	---	---	9
10	---	---	848.830	848.878	---	---	850.082	850.071	850.014	---	---	---	10
11	---	---	---	---	848.878	850.071	850.084	850.088	850.004	848.870	848.878	---	11
12	---	---	---	---	848.880	850.073	850.084	850.083	850.006	848.888	---	---	12
13	---	---	---	---	848.882	---	850.083	850.081	850.010	848.888	848.878	---	13
14	---	---	---	---	848.886	850.084	850.078	850.088	850.010	---	---	---	14
15	---	---	---	---	848.886	850.071	850.072	850.048	850.004	848.888	---	---	15
16	---	---	---	---	848.882	850.088	850.074	850.084	---	---	---	---	16
17	---	---	---	848.843	848.880	850.071	850.078	850.072	---	---	---	---	17
18	---	---	---	---	---	850.071	850.083	850.078	848.884	848.888	---	---	18
19	---	---	---	---	---	850.068	850.083	850.078	848.882	848.888	848.888	---	19
20	---	---	---	---	---	---	850.079	850.078	848.882	848.888	---	---	20
21	---	---	848.852	---	850.048	850.068	850.083	850.082	---	848.886	---	---	21
22	---	---	---	---	850.051	---	850.081	850.080	---	848.890	---	---	22
23	---	---	---	---	---	850.062	---	850.074	848.886	---	---	---	23
24	---	---	---	---	850.063	850.060	850.067	850.074	848.888	848.882	---	---	24
25	---	---	---	---	850.071	850.060	850.065	850.088	848.884	848.882	---	---	25
26	---	---	---	---	850.073	---	850.065	850.084	848.882	848.880	---	---	26
27	---	---	---	---	---	---	850.065	850.084	848.884	---	---	---	27
28	---	---	---	---	850.063	850.058	850.063	850.080	848.883	848.882	---	---	28
29	---	---	---	---	850.065	850.052	850.063	850.050	---	848.880	---	---	29
30	---	---	---	---	850.061	850.062	850.063	850.048	---	---	---	---	30
31	---	---	---		850.061		850.049	850.048		848.884		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1969

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 59 15 N
LONG 114 03 10 W

NATURAL FLOW

DRAINAGE AREA, 384 km²

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

PIGEON LAKE CREEK NEAR USONA - STATION NO. 05PA015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1969

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.066	0.178	0.081	0.017	0.328	0.008	0.017	---	1
2	---	---	0B	0.300B	0.071	0.184	0.088	0.013	0.116	0.028	0.014	---	2
3	---	---	0B	0.700B	0.076	0.137	0.191	0.036	0.008	0.030	0.031	---	3
4	---	---	0B	1.86 B	0.078	0.138	0.179	0.331	0.008	0.013	0.041	---	4
5	---	---	0B	2.88	0.070	0.108	0.147	0.180	0.029	0.013	0.040	---	5
6	---	---	0B	3.12	0.084	0.077	0.130	0.103	0.088	0.028	0.041	---	6
7	---	---	0B	1.42	0.057	0.048	0.116	0.074	0.070	0.030	0.048A	---	7
8	---	---	0B	1.06	0.041	0.057	0.118	0.028	0.051	0.050	---	---	8
9	---	---	0B	0.813	0.024	0.112	0.331	0.017	0.136	0.048	---	---	9
10	---	---	0B	0.878	0.020	0.136	0.328	0.018	0.108	0.088	---	---	10
11	---	---	0B	1.70	0.023	0.188	0.378	0.012	0.078	0.080	---	---	11
12	---	---	0B	2.86	0.082	0.132	0.287	0.010	0.080	0.089	---	---	12
13	---	---	0B	3.46	0.078	0.081	0.118	0.008	0.062	0.098	---	---	13
14	---	---	0B	1.78	0.058	0.086	0.088	0.006	0.053	0.118	---	---	14
15	---	---	0B	1.38	0.056	0.068	0.030	0.002	0.018	0.138	---	---	15
16	---	---	0B	0.840	0.050	0.068	0.083	0.003	0.011	0.138	---	---	16
17	---	---	0B	0.610	0.084	0.128	0.48	0.013	0.007	0.128	---	---	17
18	---	---	0B	0.482	0.038	0.082	0.188	0.068	0.002	0.300	---	---	18
19	---	---	0B	0.387	0.240	0.068	0.100	0.130	0.002	0.120	---	---	19
20	---	---	0B	0.332	0.850	0.054	0.091	0.040	0.008	0.100	---	---	20
21	---	---	0B	0.308	0.883	0.101	0.478	0.012	0.001	0.080	---	---	21
22	---	---	0B	0.288	1.08	0.138	0.713	0.012	0.001	0.050	---	---	22
23	---	---	0B	0.282	0.870	0.087	0.588	0.387	0.004	0.040	---	---	23
24	---	---	0B	0.277	0.823	0.068	0.675	0.493	0.002	0.030	---	---	24
25	---	---	0B	0.219	0.678	0.064	0.158	0.444	0.004	0.020	---	---	25
26	---	---	0B	0.172	0.500	0.041	0.068	0.413	0.008	0.018	---	---	26
27	---	---	0B	0.143	0.486	0.062	0.068	0.373	0.006	0.038	---	---	27
28	---	---	0B	0.122	0.388	0.070	0.068	0.282	0.031	0.017	---	---	28
29	---	---	0B	0.102	0.311	0.082	0.052	0.388	0.010	0.030	---	---	29
30	---	---	0B	0.081	0.260	0.048	0.038	0.358	0.008	0.038	---	---	30
31	---	---	0B		0.208		0.030	0.382		0.013		---	31
TOTAL	---	---	0	38.881	8.884	2.848	5.818	4.848	1.282	2.013	---	---	TOTAL
MEAN	---	---	0	0.889	0.280	0.085	0.178	0.147	0.043	0.085	---	---	MEAN
MAX	---	---	0	2.89	1.08	0.178	0.713	0.483	0.328	0.300	---	---	MAX
MIN	---	---	0	0	0.020	0.041	0.008	0.002	0.001	0.008	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.311
MAXIMUM DAILY, 3.89 ON APR 6
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
4.87 AT 20:01 MST ON APR 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 53 10 N
LONG 113 53 47 W
DRAINAGE AREA, 377 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	477
FEB	---	AUG	383
MAR	0	SEP	112
APR	2 310	OCT	174
MAY	780	NOV	---
JUN	248	DEC	---

TOTAL DISCHARGE, 4 480 dam³

PINCHER CREEK AT PINCHER CREEK - STATION NO. 05AA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0508	0.3618	1.48	4.05	1.31	0.410	0.737	0.483	0.2838	---	1
2	---	---	0.0488	0.3508	2.05	4.04	1.13	0.393	0.683	0.464	---	---	2
3	---	---	0.0488	0.3388	2.04	3.81	1.01	0.347	0.618	0.413	---	---	3
4	---	---	0.0448	0.340	2.08	3.33	0.854	0.328	0.741	0.387	---	---	4
5	---	---	0.0409	0.387	2.28	3.03	0.804	0.290	0.880	0.390	---	---	5
6	---	---	0.0388	0.4308	3.05	3.10	0.738	0.288	0.811	0.388	---	---	6
7	---	---	0.0388	0.4388	3.83	3.10	0.682	0.238	0.803	0.380	---	---	7
8	---	---	0.0408	0.4388	3.81	2.78	0.838	0.328	0.687	0.361	---	---	8
9	---	---	0.0448	0.4388	3.07	2.80	0.838	0.278	0.647	0.338	---	---	9
10	---	---	0.0868	0.4408	2.88	3.78	0.784	0.263	0.888	0.311	---	---	10
11	---	---	0.073	0.4868	3.05	7.88	0.787	0.188	1.00	0.338	---	---	11
12	---	---	0.1208	0.5888	2.88	5.31	0.881	0.188	0.848	0.337	---	---	12
13	---	---	0.3008	0.883	3.13	3.88	1.48	0.183	0.873	0.388	---	---	13
14	---	---	0.3388	0.873	1.87	3.33	3.74	0.188	0.783	0.407	---	---	14
15	---	---	0.2348	1.23	1.88	3.01	2.24	0.198	0.738	0.428	---	---	15
16	---	---	0.2188	1.88	1.84	2.77	2.88	0.148	0.873	0.408	---	---	16
17	---	---	0.3008	1.03	1.84	2.41	2.10	0.152	0.888	0.394	---	---	17
18	---	---	0.1808	1.02	1.88	2.08	1.78	0.181	0.788	0.387	---	---	18
19	---	---	0.1708	1.18	1.88	1.88	1.81	0.168	0.888	0.383	---	---	19
20	---	---	0.1808	1.88	1.40	1.72	1.34	0.134	0.840	0.393	---	---	20
21	---	---	0.2158	1.78	1.38	1.83	1.13	0.128	0.883	0.420	---	---	21
22	---	---	0.3908	1.78	1.31	1.48	0.887	0.118	0.880	0.423	---	---	22
23	---	---	0.3858	1.88	1.27	1.88	0.888	0.120	0.808	0.428	---	---	23
24	---	---	0.3158	1.21	1.28	1.48	0.778	0.884	0.488	0.438	---	---	24
25	---	---	0.3388	1.13	1.28	3.07	0.710	0.838	0.488	0.484	---	---	25
26	---	---	0.3518	1.13	1.18	2.01	0.871	1.03	0.447	0.444	---	---	26
27	---	0.0838	0.3578	1.14	1.38	1.83	0.837	1.07	0.437	0.444	---	---	27
28	---	0.0808	0.3618	1.03	2.82	1.88	0.888	1.18	0.407	0.488	---	---	28
29	---		0.3888	1.11	3.04	1.83	0.478	1.08	0.388	0.3848	---	---	29
30	---		0.3868	1.43	2.18	1.35	0.423	0.838	0.383	0.418	---	---	30
31	---		0.3838		3.82		0.413	0.844		0.402			31
TOTAL	---	---	5.814	27.231	83.75	84.85	34.388	12.388	21.848	12.488	---	---	TOTAL
MEAN	---	---	0.188	0.907	2.88	2.82	1.11	0.387	0.702	0.402	---	---	MEAN
MAX	---	---	0.388	1.78	3.83	7.88	3.74	1.18	1.88	0.488	---	---	MAX
MIN	---	---	0.038	0.340	1.18	1.38	0.413	0.118	0.383	0.311	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.87
MAXIMUM DAILY, 7.88 ON JUN 11
MINIMUM DAILY, 0.0388 ON MAR 8
MAXIMUM INSTANTANEOUS,
8.86 AT 02:38 MST ON JUN 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 39 12 N
LONG 113 88 48 W
DRAINAGE AREA, 188 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 880
FEB	---	AUG	1 080
MAR	802	SEP	1 820
APR	2 380	OCT	1 080
MAY	5 810	NOV	---
JUN	7 310	DEC	---

TOTAL DISCHARGE, 22 800 dam³

PINE CREEK NEAR GRASSLAND - STATION NO. 07CA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0038	0.0088	0.0888	0.870	0.488	0.888	0.038	0.048	0.0888	---	1
2	---	---	0.0038	0.0118	0.0708	0.721	0.458	0.824	0.038	0.050	0.0878	---	2
3	---	---	0.0038	0.0238	0.0888	0.688	0.477	0.802	0.048	0.054	0.0888	---	3
4	---	---	0.0038	0.0368	0.0888	0.648	0.588	0.878	0.041	0.057	0.1008	---	4
5	---	---	0.0038	0.0888	0.0708	0.622	0.539	0.838	0.048	0.060	0.1078	---	5
6	---	---	0.0038	0.1038	0.1208	0.828	0.488	0.483	0.082	0.063	0.1038	---	6
7	---	---	0.0038	0.1438	0.1108	0.812	0.428	0.488	0.048	0.087	0.0888	---	7
8	---	---	0.0038	0.1838	0.0908	0.885	0.403	0.478	0.038	0.050	---	---	8
9	---	---	0.0038	0.1888	0.0848	0.881	0.400	0.481	0.038	0.088	---	---	9
10	---	---	0.0038	0.2718	0.037	0.873	0.387	0.488	0.044	0.088	---	---	10
11	---	---	0.0038	0.8178	0.030	0.828	0.482	0.821	0.047	0.088	---	---	11
12	---	---	0.0038	0.3778	0.037	0.877	0.575	0.834	0.087	0.088	---	---	12
13	---	---	0.0038	0.8878	0.038	0.788	0.537	0.480	0.081	0.078	---	---	13
14	---	---	0.0038	1.40 E	0.033	0.708	0.487	0.482	0.038	0.083	---	---	14
15	---	---	0.0038	1.87 E	0.031	0.887	0.488	0.488	0.033	0.088	---	---	15
16	---	---	0.0038	1.38 E	0.048	0.838	0.441	0.388	0.038	0.084	---	---	16
17	---	---	0.0038	1.12	0.087	0.838	0.442	0.333	0.031	0.080	---	---	17
18	---	---	0.0038	0.880	0.062	0.438	0.444	0.324	0.024	0.087	---	---	18
19	---	---	0.0038	0.884	0.101	0.348	0.384	0.248	0.031	0.081	---	---	19
20	---	---	0.0038	0.734	0.438	0.278	0.377	0.188	0.033	0.091	---	---	20
21	---	---	0.0038	0.478	1.28	0.300	0.418	0.143	0.040	0.088	---	---	21
22	---	0.0038	0.0088	0.338	1.27	0.385	0.475	0.087	0.078	0.108	---	---	22
23	---	0.0038	0.0158	0.183	1.27	0.378	1.20	0.078	0.088	0.101	---	---	23
24	---	0.0038	0.0128	0.183	1.22	0.488	1.27	0.038	0.085	0.102	---	---	24
25	---	0.0038	0.0048	0.108	1.12	0.436	1.20	0.024	0.047	0.107	---	---	25
26	---	0.0038	0.0038	0.078	1.03	0.408	1.08	0.018	0.041	0.112	---	---	26
27	---	0.0048	0.0038	0.088	0.928	0.411	1.00	0.014	0.043	0.110	---	---	27
28	---	0.0048	0.0038	0.070A	0.888	0.448	0.982	0.012	0.042	0.110	---	---	28
29	---		0.0038	0.070E	0.787	0.420	0.818	0.023	0.048	0.100	---	---	29
30	---		0.0038	0.0888	0.739	0.393	0.818	0.038	0.051	0.088	---	---	30
31	---		0.0038		0.781		0.704	0.033		0.0808			31
TOTAL	---	---	0.133	13.190	13.807	15.188	15.188	9.831	1.393	3.807	---	---	TOTAL
MEAN	---	---	0.004	0.408	0.418	0.538	0.818	0.330	0.048	0.081	---	---	MEAN
MAX	---	---	0.018	1.87	1.28	0.788	1.27	0.888	0.088	0.112	---	---	MAX
MIN	---	---	0.003	0.008	0.030	0.278	0.387	0.013	0.021	0.048	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.304
MAXIMUM DAILY, 1.87E ON APR 15
MINIMUM DAILY, 0.0038 ON MAR 1
MAXIMUM INSTANTANEOUS,
2.00E AT 18:03 MST ON APR 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 49 12 N
LONG 112 48 34 W
DRAINAGE AREA, 1 480 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 880
FEB	---	AUG	868
MAR	10.8	SEP	120
APR	1 080	OCT	217
MAY	1 120	NOV	---
JUN	1 400	DEC	---

TOTAL DISCHARGE, 8 440 dam³

PINTO CREEK NEAR GRANDE PRAIRIE - STATION NO. 07GC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.005B	0.014B	1.84	2.33	1.37	0.873	5.15	4.05	---	---	1
2	---	---	0.006B	0.020B	2.33	1.63	1.85	1.01	5.85	3.84	---	---	2
3	---	---	0.007B	0.030B	2.71	1.45	2.51	14.6	5.22	3.45	---	---	3
4	---	---	0.008B	0.037B	2.23	1.17	2.39	13.5	4.33	3.05	---	---	4
5	---	---	0.005B	0.041B	1.80	0.939	1.98	8.03	5.14	2.87	---	---	5
6	---	---	0.005B	0.043B	1.47	0.740	1.67	4.42	14.0	2.52	---	---	6
7	---	---	0.004B	0.049B	1.30	0.871	1.12	3.33	9.20	2.36	---	---	7
8	---	---	0.004B	0.061B	1.08	0.625	1.21	2.85	6.62	2.21	---	---	8
9	---	---	0.004B	0.068B	0.685	0.770	2.70	2.77	4.62	2.01	---	---	9
10	---	---	0.004B	0.073B	0.602	5.12	4.47	8.87	3.81	1.88	---	---	10
11	---	---	0.003B	0.126B	0.663	3.68	3.57	8.97	3.35	1.70	---	---	11
12	---	---	0.003B	0.187B	0.627	2.48	2.61	4.81	2.87	1.55	---	---	12
13	---	---	0.003B	0.217B	0.385	1.70	1.93	3.48	2.45	1.48	---	---	13
14	---	---	0.003B	0.240B	0.336	1.38	1.80	3.73	2.03	1.34	---	---	14
15	---	---	0.003B	0.289B	0.311	1.08	2.17	4.66	1.72	1.29	---	---	15
16	---	---	0.003B	0.384B	0.280	0.958	1.80	5.20	1.77	1.22	---	---	16
17	---	---	0.002B	0.413B	0.241	0.738	1.48	5.61	2.08	1.11	---	---	17
18	---	---	0.002B	0.448B	0.339	0.604	1.22	6.53	1.83	1.18	---	---	18
19	---	---	0.002B	0.848B	1.08	0.527	1.23	10.5	2.23	1.18	---	---	19
20	---	---	0.001B	0.854B	3.34	0.483	1.20	7.23	2.70	1.16	---	---	20
21	---	---	0.001B	1.63 B	9.23	0.440	3.69	6.13	2.83	1.12	---	---	21
22	---	0.011B	0.002B	2.23 B	9.16	0.460	2.71	4.74	2.28	1.08	---	---	22
23	---	0.011B	0.003B	2.03 B	6.78	0.423	1.88	40.5	2.01	1.06	---	---	23
24	---	0.012B	0.004B	1.82	12.4	0.388	1.65	37.5	1.80	1.03	---	---	24
25	---	0.012B	0.006B	1.67	13.2	0.378	1.82	21.2	1.70	0.884	---	---	25
26	---	0.011B	0.004B	1.80	10.0	0.382	1.22	15.1	1.60	0.861	---	---	26
27	---	0.011B	0.004B	1.84	8.67	0.535	1.06	10.9	1.62	0.843	---	---	27
28	---	0.010B	0.005B	1.87	6.12	2.16	2.10	8.51	1.38	0.858	---	---	28
29	---		0.007B	1.57	4.41	2.33	1.89	9.41	1.28	0.784	---	---	29
30	---		0.010B	1.55	3.68	1.76	1.34	7.94	1.55	0.792	---	---	30
31	---		0.013B		3.01		1.16	6.06		1.00 B		---	31
TOTAL	---	---	0.138	23.474	111.651	38.520	58.05	284.663	109.30	51.832	---	---	TOTAL
MEAN	---	---	0.004	0.782	3.60	1.28	1.90	9.31	3.64	1.67	---	---	MEAN
MAX	---	---	0.013	2.23	12.4	5.12	4.47	40.5	14.0	4.05	---	---	MAX
MIN	---	---	0.001	0.014	0.241	0.374	1.04	0.873	1.28	0.784	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.70
MAXIMUM DAILY, 40.5 ON AUG 23
MINIMUM DAILY, 0.001B ON MAR 20
MAXIMUM INSTANTANEOUS,
62.7 AT 16:30 MST ON AUG 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 50 35 N
LONG 119 23 22 W
DRAINAGE AREA, 499 km^2

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	5 100
FEB	---	AUG	24 600
MAR	12.0	SEP	9 440
APR	2 030	OCT	4 480
MAY	9 640	NOV	---
JUN	3 340	DEC	---

TOTAL DISCHARGE, 58 900 dam^3

PIPESTONE CREEK BELOW BIGSTONE CREEK - STATION NO. 05FA022

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.746B	1.37	0.660E	0.346	0.029	0.088	0.005	---	---	1
2	---	---	0 B	1.67 B	1.32	0.560E	0.322	0.048	0.060	0.005	---	---	2
3	---	---	0 B	3.37 B	1.24	0.460E	0.300	0.081	0.061	0.011	---	---	3
4	---	---	0 B	5.20 B	1.16	0.360E	0.288	0.088	0.020	0.013	---	---	4
5	---	---	0 B	5.80 B	1.02	0.330E	0.270	0.089	0.042	0.018	---	---	5
6	---	---	0 B	5.55 B	0.832	0.260E	0.238	0.087	0.066	0.082	---	---	6
7	---	---	0 B	5.55 B	0.612	0.230E	0.221	0.066	0.066	0.082	---	---	7
8	---	---	0.001B	5.60 B	0.640E	0.215E	0.785E	0.081	0.128	0.081	---	---	8
9	---	---	0.002B	5.70 B	0.460E	0.205E	0.652E	0.084	0.122	0.088	---	---	9
10	---	---	0.002B	6.00 B	0.370E	0.200E	0.263A	0.089	0.132	0.114	---	---	10
11	---	---	0.002B	8.10 B	0.300E	0.230E	0.416E	0.080	0.134	0.180	---	---	11
12	---	---	0.002B	6.00 B	0.340E	0.255E	0.686A	0.100	0.150	0.136	---	---	12
13	---	---	0.002B	5.70 B	0.360E	0.279A	0.527A	0.083	0.144	0.122	---	---	13
14	---	---	0.002B	5.40 B	0.300E	0.284	0.488	0.085	0.128	0.102	---	---	14
15	---	---	0.002B	5.10 B	0.235E	0.277	0.436	0.071	0.142	0.102	---	---	15
16	---	---	0.002B	4.70 B	0.205E	0.289	0.386	0.084	0.142	0.130	---	---	16
17	---	---	0.002B	4.30 B	0.205E	0.285	0.428	0.103	0.122	0.201	---	---	17
18	---	---	0.002B	4.00 B	0.210E	0.281	0.548	0.188	0.108	0.181	---	---	18
19	---	---	0.002B	3.60 B	0.240E	0.267	0.613	0.118	0.101	0.182	---	---	19
20	---	---	0.002B	3.67	4.00 E	0.322	0.488	0.112	0.118	0.231	---	---	20
21	---	---	0.002B	3.42	3.40 E	0.172	0.342	0.087	0.112	0.213	---	---	21
22	---	---	0.004B	3.08	2.70 E	0.218	0.307	0.113	0.084	0.207	---	---	22
23	---	0B	0.006B	2.78	2.00 E	0.277	0.276	0.078	0.058	0.187	---	---	23
24	---	0B	0.010B	2.68	2.10 E	0.260	0.238	0.087	0.030	0.177	---	---	24
25	---	0B	0.020B	2.43	2.15 E	0.230	0.290	0.077	0.001	0.206	---	---	25
26	---	0B	0.040B	2.26	1.80 E	0.287	0.337	0.038	0.008	0.100	---	---	26
27	---	0B	0.060B	2.08	1.60 E	0.376	0.376	0.020	0.016	0.032	---	---	27
28	---	0B	0.080B	1.81	1.30 E	0.404	0.418	0.020	0.032	0.058	---	---	28
29	---		0.100B	1.83	1.05 E	0.377	0.389	0.045	0.024	0.044	---	---	29
30	---		0.150B	1.52	0.920E	0.388	0.251	0.058	0.017	0.060A	---	---	30
31	---		0.300B		0.800E		0.149	0.082		0.060E		---	31
TOTAL	---	---	0.827	117.128	35.658	9.308	12.173	2.414	2.483	3.341	---	---	TOTAL
MEAN	---	---	0.027	3.90	1.15	0.310	0.393	0.078	0.083	0.108	---	---	MEAN
MAX	---	---	0.300	8.10	4.00	0.660	0.852	0.188	0.150	0.231	---	---	MAX
MIN	---	---	0	0.746	0.205	0.172	0.149	0.020	0.001	0.005	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.746
MAXIMUM DAILY, 8.10B ON APR 11
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 02 25 N
LONG 113 21 54 W
DRAINAGE AREA, 1 020 km^2
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 050
FEB	---	AUG	209
MAR	71.5	SEP	215
APR	10 100	OCT	289
MAY	3 080	NOV	---
JUN	804	DEC	---

TOTAL DISCHARGE, 15 800 dam^3

PIPESTONE RIVER NEAR LAKE LOUISE - STATION NO. 05BA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.8818	0.9268	0.7928	0.7638	3.508	10.8	15.8	13.8	10.3	3.92	3.508	1.80 B	1
2	0.8788	0.9088	0.7978	0.7388	3.33	12.4	15.6	15.0	10.1	3.71	3.548	1.55 B	2
3	0.8738	0.8878	0.7878	0.7218	3.84	13.8	12.6	14.1	9.66	3.85	3.588	1.59 B	3
4	0.8628	0.8858	0.7788	0.7388	3.35	14.5	12.9	13.3	9.22	3.81	3.595	1.83 B	4
5	0.8428	0.8918	0.7928	0.7818	4.36	22.9	13.3	12.4	8.80	3.87	3.595	1.59 B	5
6	0.8218	0.8038	0.8038	0.7888	5.08	27.4	13.0	12.0	8.55	3.84	3.498	1.44 B	6
7	0.8868	0.8078	0.8269	0.8048	7.45	25.2	13.8	12.0	8.38	3.67	3.488	1.33 B	7
8	0.8888	0.8138	0.8288	0.7948	8.98	22.8	14.5	13.6	8.03	3.40	3.488	1.23 B	8
9	0.8828	0.8178	0.8308	0.7788	8.93	24.6	13.1	14.4	7.74	3.33	3.588	1.21 B	9
10	0.8868	0.8188	0.8278	0.7778	9.10	28.9	13.6	15.1	7.48	3.85	3.595	1.24 B	10
11	0.9038	0.8148	0.8138	0.7888	8.53	27.4	15.7	13.1	7.08	3.80	3.548	1.18 B	11
12	0.8078	0.8068	0.7838	0.8388	7.28	28.9	15.8	11.8	6.88	3.78	3.488	1.18 B	12
13	0.8088	0.8708	0.7828	0.8778	6.80	29.1	16.1	12.3	6.40	3.74	3.338	1.22 B	13
14	0.8088	0.8258	0.7278	0.9118	6.25	31.3	16.6	11.4	6.22	3.81	3.218	1.28 B	14
15	0.8118	0.7828	0.7018	0.9388	6.40	33.7	17.4	10.8	5.88	3.39	3.138	1.24 B	15
16	0.8148	0.7648	0.6758	0.9388	6.67	37.1	17.8	12.0	5.82	3.14	3.248	1.21 B	16
17	0.8178	0.7448	0.6578	0.9388	6.61	30.5	18.5	13.7	5.87	3.10	3.258	1.13 B	17
18	0.8248	0.7448	0.6508	0.9308	6.28	17.8	14.5	14.8	5.57	3.23	3.288	1.07 B	18
19	0.8268	0.7508	0.8588	0.8338	5.43	16.8	14.3	16.8	5.13	3.08	3.338	0.8628	19
20	0.8308	0.7868	0.8738	0.8418	4.84	14.8	16.7	17.2	4.98	3.03	3.348	0.8428	20
21	0.8308	0.7718	0.8828	0.8588	4.78	13.8	16.4	15.8	4.81	3.02	3.248	0.8028	21
22	0.8288	0.7798	0.7108	0.8628	4.68	13.6	15.5	15.8	4.84	3.00	2.028	0.8908	22
23	0.8288	0.7888	0.7068	0.8598	4.84	13.1	13.3	14.4	4.83	2.84	1.838	0.9208	23
24	0.8278	0.7878	0.6968	0.8508	4.83	14.6	12.6	12.8	4.47	2.88	1.918	0.9858	24
25	0.8308	0.7838	0.7068	0.8428	5.08	14.3	12.3	11.7	4.38	2.87	1.988	1.02 B	25
26	0.8368	0.7748	0.7488	0.8388	5.08	14.7	12.0	10.8	4.31	2.92	1.988	1.13 B	26
27	0.8388	0.7688	0.7768	0.8348	4.83	16.1	12.7	11.7	4.23	2.87	1.808	1.20 B	27
28	0.8438	0.7588	0.7788	0.8468	4.83	13.8	13.9	11.8	4.15	2.84	1.668	1.26 B	28
29	0.8478		0.7888	0.8778	4.88	13.0	13.2	11.3	4.04	2.78	1.578	1.97 B	29
30	0.8488		0.7858	1.03 B	5.53	15.1	12.6	11.1	4.03	2.788	1.648	1.13 B	30
31	0.8448		0.7788		7.38		12.5	11.1		2.888		1.07 B	31
TOTAL	26.788	23.311	23.148	25.804	178.80	580.4	444.3	407.3	183.99	101.37	87.17	37.801	TOTAL
MEAN	0.828	0.833	0.747	0.887	5.77	19.7	14.3	13.1	6.42	3.27	3.24	1.22	MEAN
MAX	0.881	0.926	0.830	1.03	9.83	33.7	18.4	17.2	10.3	3.92	3.59	1.83	MAX
MIN	0.888	0.744	0.650	0.721	3.60	10.8	12.0	10.8	4.03	2.88	1.57	0.890	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.81
MAXIMUM DAILY, 33.7 ON JUN 19
MINIMUM DAILY, 0.6508 ON MAR 18
MAXIMUM INSTANTANEOUS,
37.3 AT 01:47 MST ON JUN 19

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 28 02 N
LONG 116 10 30 W
DRAINAGE AREA, 308 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 480	JUL	38 400
FEB	2 010	AUG	38 200
MAR	2 000	SEP	18 700
APR	3 330	OCT	8 760
MAY	15 400	NOV	8 800
JUN	51 000	DEC	3 270

TOTAL DISCHARGE, 183 000 dam³

PIYAMI DRAIN NEAR PICTURE BUTTE - STATION NO. 05AD037

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.008	0.888A	0.411	0.521	0.834	0.504	---	---	1
2	---	---	---	---	0.007	0.877	0.384	0.588	0.831	0.700	---	---	2
3	---	---	---	---	0.010	0.815	0.851	0.693	0.837	0.518	---	---	3
4	---	---	---	---	0.004	0.830	0.410	0.513	0.833	0.473	---	---	4
5	---	---	---	---	0	0.870	0.232	0.883	0.835	0.484	---	---	5
6	---	---	---	---	---	0.881	0.238	0.834	0.878	0.488	---	---	6
7	---	---	---	---	0	0.885	0.198	0.832	0.868	0.530	---	---	7
8	---	---	---	---	0	0.808	0.284	0.831	0.885	0.830	---	---	8
9	---	---	---	---	0.032	0.431	0.210	0.848	0.870	0.725	---	---	9
10	---	---	---	---	0.084	0.838	0.336	0.880	0.872	0.703	---	---	10
11	---	---	---	---	0.181	0.877	0.270	0.837	0.882	0.828	---	---	11
12	---	---	---	---	0.313	0.877	0.323	0.808	0.818	0.883	---	---	12
13	---	---	---	---	0.318	0.808	0.248	0.887	0.801	0.859	---	---	13
14	---	---	---	---	0.268	0.880	0.438	0.738	0.888	0.834	---	---	14
15	---	---	---	---	0.277	0.881	0.418	0.881	0.881	0.383	---	---	15
16	---	---	---	---	0.378	0.700	0.387	0.840	0.888	0.318	---	---	16
17	---	---	---	---	0.350	0.883	0.482	0.826	0.882	0.118	---	---	17
18	---	---	---	---	0.427	0.833	0.888	0.888	0.887	0.120	---	---	18
19	---	---	---	---	0.358	0.839	0.848	0.800	0.883	0.084	---	---	19
20	---	---	---	---	0.331	0.841	0.808	0.888	0.881	0.083	---	---	20
21	---	---	---	---	0.283	0.804	0.448	0.825	0.816	0.038	---	---	21
22	---	---	---	---	0.281	0.488	0.480	0.883	0.882	0.037	---	---	22
23	---	---	---	---	0.300	0.845	0.888	0.803	0.845	0.038	---	---	23
24	---	---	---	0.008A	0.473	0.844	0.838	0.831	0.840	0.032	---	---	24
25	---	---	---	0.007	0.813	0.592	0.892	0.888	0.888	0.031	---	---	25
26	---	---	---	0.018	0.482	0.884	0.878	0.807	0.888	0.031	---	---	26
27	---	---	---	0.021	0.886	0.833	0.883	0.837	0.388	0.018	---	---	27
28	---	---	---	0.018	1.28	0.378	0.871	0.874	0.344	0.0188	---	---	28
29	---		---	0.012	1.38	0.370	0.810	0.881	0.878	0.0048	---	---	29
30	---		---	0.011	0.848	0.447	0.885	0.818	0.888	0.0018	---	---	30
31	---		---		0.803A		0.887	0.883		0.0018		---	31
TOTAL	---	---	---	---	10.718	18.818	13.787	17.348	18.448	8.718	---	---	TOTAL
MEAN	---	---	---	---	0.348	0.884	0.448	0.588	0.818	0.313	---	---	MEAN
MAX	---	---	---	---	1.38	0.788	0.888	0.738	0.837	0.883	---	---	MAX
MIN	---	---	---	---	0	0.378	0.188	0.402	0.344	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.484
MAXIMUM DAILY, 1.38 ON MAY 29
MINIMUM DAILY, 0 ON MAY 5

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 49 49 N
LONG 112 49 43 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 190
FEB	---	AUG	1 490
MAR	---	SEP	1 330
APR	---	OCT	830
MAY	926	NOV	---
JUN	1 440	DEC	---

TOTAL DISCHARGE, 7 220 dam³

POINTE-AUX-PINS CREEK NEAR ARDROSSAN - STATION NO. 05EB302

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.1268	0.248	0.133	0.055	0.012	0.036	0	---	---	1
2	---	---	---	0.2628	0.336	0.147	0.044	0.007	0.031	0	---	---	2
3	---	---	---	0.3788	0.339	0.138	0.026	0.023	0.050	0	---	---	3
4	---	---	---	0.5318	0.412	0.132	0.009	0.035	0.043	0	---	---	4
5	---	---	---	0.4868	0.410	0.123	0.007	0.038	0.050	0	---	---	5
6	---	---	---	0.6728	0.401	0.111	0.021	0.042	0.038	0	---	---	6
7	---	---	---	0.5278	0.458	0.100	0.006	0.042	0.030	0	---	---	7
8	---	---	---	0.4988	0.470	0.085	0.059	0.041	0.021	0	---	---	8
9	---	---	---	0.3368	0.442	0.089	0.046	0.037	0.016	0	---	---	9
10	---	---	---	0.3638	0.429	0.087	0.047	0.031	0.016	0.003	---	---	10
11	---	---	---	0.401	0.479	0.088	0.070	0.028	0.017	0.003	---	---	11
12	---	---	---	0.414	0.578	0.063	0.062	0.023	0.007	0.011	---	---	12
13	---	---	---	0.357	0.545	0.044	0.058	0.015	0.003	0.013	---	---	13
14	---	---	---	0.295	0.513	0.020	0.057	0.006	0.005	0.001	---	---	14
15	---	---	---	0.296	0.506	0.019	0.054	0	0.002	0	---	---	15
16	---	---	---	0.330	0.526	0.012	0.054	0	0.004	0	---	---	16
17	---	---	---	0.322	0.390	0.014	0.128	0.002	0.011	0	---	---	17
18	---	---	---	0.293	0.515	0.028	0.112	0.074	0.011	0	---	---	18
19	---	---	---	0.229	0.767	0.039	0.094	0.045	0.013	0	---	---	19
20	---	---	---	0.172	0.937	0.033	0.073	0.043	0.012	0	---	---	20
21	---	---	---	0.257	0.901	0.041	0.050	0.024	0.003	0	---	---	21
22	---	---	---	0.208	0.769	0.037	0.038	0.013	0.003	0	---	---	22
23	---	---	---	0.159	0.642	0.039	0.022	0.042	0.002	0	---	---	23
24	---	---	---	0.238	0.564	0.044	0.013	0.010	0.005	0	---	---	24
25	---	---	---	0.236	0.450	0.038	0.008	0.003	0.008	0.001	---	---	25
26	---	---	---	0.184	0.335	0.024	0	0.002	0.008	0.005	---	---	26
27	---	---	---	0.158	0.238	0.051	0	0	0.004	0.004	---	---	27
28	---	---	---	0.106	0.171	0.065	0.031	0.001	0.001	0.003	---	---	28
29	---		---	0.208	0.183	0.065	0.037	0.010	0.001	0.001	---	---	29
30	---		---	0.190	0.162	0.089	0.010	0.032	0	0 A	---	---	30
31	---		0B		0.132		0.010	0.043		0 E		---	31
TOTAL	---	---	---	8.201	14.252	1.884	1.308	0.720	0.449	0.048	---	---	TOTAL
MEAN	---	---	---	0.307	0.460	0.056	0.042	0.023	0.015	0.001	---	---	MEAN
MAX	---	---	---	0.672	0.937	0.147	0.128	0.074	0.050	0.013	---	---	MAX
MIN	---	---	---	0.106	0.132	0.012	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 0.937 ON MAY 20
MINIMUM DAILY, 0B ON MAR 31
MAXIMUM INSTANTANEOUS,
2.53 AT 17:00 MST ON APR 21

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 35 55 N
LONG 113 08 40 W
DRAINAGE AREA, 108 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	113
FEB	---	AUG	62.2
MAR	---	SEP	38.8
APR	795	OCT	3.89
MAY	1 230	NOV	---
JUN	171	DEC	---

POINTE-AUX-PINS TRIBUTARY NO. 1 NEAR ARDROSSAN - STATION NO. 05EB303

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.0018	0.033	0.052	0	0	0.038	0	---	---	1
2	---	---	---	0.1088	0.038	0.108	0	0	0.036	0	---	---	2
3	---	---	---	0.0288	0.024	0.086	0	0	0.085	0	---	---	3
4	---	---	---	0.0488	0.020	0.077	0	0	0.088	0	---	---	4
5	---	---	---	0.1198	0.018	0.067	0	0	0.052	0	---	---	5
6	---	---	---	0.1318	0.014	0.044	0	0	0.042	0	---	---	6
7	---	---	---	0.1118	0.012	0.038	0	0	0.028	0	---	---	7
8	---	---	---	0.120	0.012	0.031	0.025	0	0.018	0	---	---	8
9	---	---	---	0.133	0.010	0.032	0.034	0	0.011	0	---	---	9
10	---	---	---	0.167	0.011	0.040	0.030	0	0.007	0	---	---	10
11	---	---	---	0.115	0.014	0.033	0.034	0	0.003	0	---	---	11
12	---	---	---	0.123	0.027	0.026	0.023	0	0	0	---	---	12
13	---	---	---	0.141	0.027	0.017	0.005	0	0	0	---	---	13
14	---	---	---	0.139	0.022	0.004	0	0	0	0	---	---	14
15	---	---	---	0.126	0.018	0.006	0	0	0	0	---	---	15
16	---	---	---	0.113	0.012	0.004	0.003	0	0	0	---	---	16
17	---	---	---	0.098	0.016	0	0.041	0.003	0	0	---	---	17
18	---	---	---	0.081	0.018	0	0.044	0.072	0	0	---	---	18
19	---	---	---	0.077	0.061	0	0.008	0.031	0	0	---	---	19
20	---	---	---	0.083	0.163	0	0	0.023	0	0	---	---	20
21	---	---	---	0.087	0.225	0	0	0.008	E	0	---	---	21
22	---	---	---	0.092	0.200	0	0	0.004	E	0	---	---	22
23	---	---	---	0.104	0.184	0	0	0.021	E	0	---	---	23
24	---	---	---	0.109	0.174	0	0	0	E	0	---	---	24
25	---	---	---	0.086	0.159	0	0	0	E	0.018	---	---	25
26	---	---	---	0.068	0.134	0	0	0	0	0.020	---	---	26
27	---	---	---	0.054	0.112	0	0	0	0	0.018	---	---	27
28	---	---	---	0.045	0.094	0.002	0.038	0	0	0.014	---	---	28
29	---		---	0.041	0.077	0.001	0.002	0	0	0.010	---	---	29
30	---		---	0.037	0.068	0	0	0.018	0	0.008A	---	---	30
31	---		0.0029		0.059		0	0.053		0.010E		---	31
TOTAL	---	---	---	2.783	2.051	0.712	0.288	0.234	0.378	0.088	---	---	TOTAL
MEAN	---	---	---	0.093	0.066	0.024	0.009	0.008	0.013	0.003	---	---	MEAN
MAX	---	---	---	0.167	0.225	0.108	0.044	0.072	0.085	0.020	---	---	MAX
MIN	---	---	---	0.001	0.010	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 0.225 ON MAY 21
MINIMUM DAILY, 0 ON JUN 17
MAXIMUM INSTANTANEOUS,
0.238 AT 08:59 MST ON MAY 21

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 34 43 N
LONG 113 08 48 W
DRAINAGE AREA, 17.8 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	34.8
FEB	---	AUG	30.2
MAR	---	SEP	32.4
APR	240	OCT	8.29
MAY	177	NOV	---
JUN	81.6	DEC	---

POINTE-AUX-PINS TRIBUTARY NO. 2 NEAR ARDROSSAN - STATION NO. 05EB910

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.021B	0.004	0.003	0	0	0.007	0	---	---	1
2	---	---	---	0.036B	0.003	0.001	0	0	0.010	0	---	---	2
3	---	---	---	0.054B	0.003	0.001	0	0	0.018	0	---	---	3
4	---	---	---	0.186B	0.002	0	0	0	0.011	0	---	---	4
5	---	---	---	0.165B	0.002	0	0	0	0.014	0	---	---	5
6	---	---	---	0.127B	0.001	0	0	0	0.012	0	---	---	6
7	---	---	---	0.089B	0.001	0	0	0	0.008	0	---	---	7
8	---	---	---	0.109B	0.002	0	0.010	0	0.006	0	---	---	8
9	---	---	---	0.078B	0.002	0.003	0.002	0	0.005	0	---	---	9
10	---	---	---	0.078B	0.002	0.003	0.004	0	0.002	0	---	---	10
11	---	---	---	0.076B	0.002	0.001	0.006	0	0	0	---	---	11
12	---	---	---	0.048	0.008	0	0.002	0	0	0	---	---	12
13	---	---	---	0.048	0.004	0	0	0	0	0	---	---	13
14	---	---	---	0.024	0.003	0	0	0	0	0	---	---	14
15	---	---	---	0.018	0.002	0.001A	0	0	0	0	---	---	15
16	---	---	---	0.012	0.002	0	0.011	0	0.002	0	---	---	16
17	---	---	---	0.007	0.004	0	0.015	0	0	0	---	---	17
18	---	---	---	0.003	0.004	0	0.003	0	0	0	---	---	18
19	---	---	---	0.003	0.022	0	0	0	0	0	---	---	19
20	---	---	---	0.003	0.058	0	0	0	0	0	---	---	20
21	---	---	---	0.003	0.048	0	0	0	0	0	---	---	21
22	---	---	---	0.003	0.024	0	0	0.001	0	0	---	---	22
23	---	---	---	0.003	0.020	0	0	0.003	0	0	---	---	23
24	---	---	---	0.003	0.018	0	0	0	0	0	---	---	24
25	---	---	---	0.002	0.018	0	0	0	0	0	---	---	25
26	---	---	---	0.001	0.011	0	0	0	0	0	---	---	26
27	---	---	---	0.001	0.010	0.004	0	0	0	0	---	---	27
28	---	---	---	0.002	0.008	0.001	0	0	0	0	---	---	28
29	---		---	0.004	0.007	0	0	0.002	0	0	---	---	29
30	---		---	0.004	0.005	0	0	0.007	0	0.001A	---	---	30
31	---		0.003B		0.004		0	0.010		0.001E		---	31
TOTAL	---	---	---	1.207	0.296	0.018	0.058	0.023	0.096	0.002	---	---	TOTAL
MEAN	---	---	---	0.040	0.010	0.001	0.002	0.001	0.003	0	---	---	MEAN
MAX	---	---	---	0.186	0.058	0.004	0.015	0.010	0.018	0.001	---	---	MAX
MIN	---	---	---	0.001	0.001	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 0.186B ON APR 4
MINIMUM DAILY, 0 ON JUN 4
MAXIMUM INSTANTANEOUS,
0.433B AT 18:03 MST ON APR 4

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 35 48 N
LONG 113 06 49 W
DRAINAGE AREA, 8.34 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4.75
FEB	---	AUG	1.89
MAR	---	SEP	8.28
APR	104	OCT	0.17
MAY	25.6	NOV	---
JUN	1.56	DEC	---

POINTE-AUX-PINS TRIBUTARY NO. 3 NEAR ARDROSSAN - STATION NO. 05EB911

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.001B	0.002	0.001	0.001	0	0.004	0.003	---	---	1
2	---	---	---	0.001B	0.003	0.003	0.001	0	0.006	0.003	---	---	2
3	---	---	---	0.001B	0.001	0.003	0.001	0	0.007	0.003	---	---	3
4	---	---	---	0.033B	0.001	0.002	0	0.001	0.006	0.003	---	---	4
5	---	---	---	0.046B	0.002	0.003	0.001	0.001	0.008	0.003	---	---	5
6	---	---	---	0.024	0.002	0.004	0.001	0.001	0.013	0.003	---	---	6
7	---	---	---	0.013	0.002	0.004	0	0.001	0.013	0.003	---	---	7
8	---	---	---	0.010	0.002	0.004	0.002	0.001	0.004	0.003	---	---	8
9	---	---	---	0.007	0.003	0.003	0.001	0.001	0.006	0.002	---	---	9
10	---	---	---	0.009A	0.003	0.001	0.001	0.001	0.005	0.003	---	---	10
11	---	---	---	0.012A	0.003	0.001	0.002	0.001	0.005	0.003	---	---	11
12	---	---	---	0.008E	0.004	0.001	0.001	0.001	0.004	0.003	---	---	12
13	---	---	---	0.005A	0.004	0.001	0.001	0.001	0.003	0.003	---	---	13
14	---	---	---	0.004A	0.002	0.001	0	0.001	0.002	0.002	---	---	14
15	---	---	---	0.001	0.001	0.001	0	0	0.002	0.002	---	---	15
16	---	---	---	0	0.001	0.001	0.002	0	0.003	0.002	---	---	16
17	---	---	---	0.001A	0.002	0.001	0.017	0	0.004	0.002	---	---	17
18	---	---	---	0	0.002	0.001	0.004	0.001	0.004	0.002	---	---	18
19	---	---	---	0	0.008	0.001	0.001	0.001	0.004	0.002	---	---	19
20	---	---	---	0	0.013	0.001	0.001	0.001	0.003	0.002	---	---	20
21	---	---	---	0.001A	0.013	0.001	0	0	0.003	0.002	---	---	21
22	---	---	---	0	0.008	0.001	0	0	0.003	0.001	---	---	22
23	---	---	0 B	0	0.006	0.001	0	0.001	0.002	0.001	---	---	23
24	---	---	0 B	0	0.006	0.001	0	0.001	0.002	0.002	---	---	24
25	---	---	0 B	0	0.005	0.001	0	0.001	0.002	0.001	---	---	25
26	---	---	0 B	0	0.004	0.001	0	0.001	0.002	0.001	---	---	26
27	---	---	0.001B	0	0.003	0.001	0	0.001	0.002	0.001	---	---	27
28	---	---	0.001B	0.001A	0.002	0.001	0.001	0.001	0.002	0.001	---	---	28
29	---		0.001B	0.001	0.001	0.001	0	0.001	0.002	0.001	---	---	29
30	---		0.001B	0.001	0.001	0.001	0.001	0.007	0.003	0.001A	---	---	30
31	---		0.001B		0.001		0	0.005		0.001E		---	31
TOTAL	---	---	---	0.178	0.111	0.048	0.046	0.033	0.122	0.064	---	---	TOTAL
MEAN	---	---	---	0.006	0.004	0.002	0.001	0.001	0.004	0.002	---	---	MEAN
MAX	---	---	---	0.046	0.013	0.004	0.017	0.007	0.013	0.003	---	---	MAX
MIN	---	---	---	0	0.001	0.001	0	0	0.002	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 0.046B ON APR 5
MINIMUM DAILY, 0B ON MAR 23
MAXIMUM INSTANTANEOUS,
0.078B AT 05:30 MST ON APR 5

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 35 44 N
LONG 113 06 47 W
DRAINAGE AREA, 3.86 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3.48
FEB	---	AUG	2.85
MAR	---	SEP	11.4
APR	19.5	OCT	5.63
MAY	9.59	NOV	---
JUN	4.16	DEC	---

PONTON RIVER ABOVE BOYER RIVER - STATION NO. 07JF003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1328	0.1218	57.0	27.3	14.1	15.8	9.48	7.03	2.008	---	1
2	---	---	0.1318	0.1208	62.2	28.3E	13.6 E	14.4	8.88	6.78	2.788	---	2
3	---	---	0.1318	0.1208	73.3	32.4	12.9	14.5	8.36	6.06	---	---	3
4	---	---	0.1308	0.1208	69.8	32.1	12.8	14.8	8.28E	5.00E	---	---	4
5	---	---	0.1308	0.1208	59.2	30.6	14.3	14.4 E	8.18	5.89	---	---	5
6	---	---	0.1298	0.1208	48.5	35.9	14.8	14.3	7.00	5.84	---	---	6
7	---	---	0.1298	0.1208	47.1	42.6	14.4	14.0 E	8.55E	5.65E	---	---	7
8	---	---	0.1288	0.1228	44.6	42.6	13.8	13.8	7.17	5.50	---	---	8
9	---	---	0.1248	0.1268	41.7	39.2	14.5	13.4	8.21	5.45E	---	---	9
10	---	---	0.1278	0.1358	38.5	37.3	14.1	14.6	7.34	5.41	---	---	10
11	---	---	0.1278	0.1488	38.2	38.3	12.4	13.0	7.28	5.32	---	---	11
12	---	---	0.1268	0.1688	59.7	32.0	12.2	12.7	7.82	5.25E	---	---	12
13	---	---	0.1268	0.1748	72.7	28.3	11.1	13.0	7.25	5.41	---	---	13
14	---	---	0.1258	0.1788	64.3	27.4	10.2	11.8	8.87	5.46	---	---	14
15	---	---	0.1258	0.3488	44.7	26.4	9.40	12.4	8.42	5.34E	---	---	15
16	---	---	0.1248	0.2008	38.8	25.4	8.89	12.7	8.52	5.23	---	---	16
17	---	---	0.1248	0.2248	32.5	24.8E	8.25E	11.6	7.82	5.67	---	---	17
18	---	---	0.1238	0.2528	31.2	26.7	8.45	10.8	8.82	5.33	---	---	18
19	---	---	0.1238	0.2928	30.8	26.6	8.95	10.2	8.30	5.82	---	---	19
20	---	---	0.1228	0.8818	30.7	26.0E	11.3 E	9.43	8.10E	5.82	---	---	20
21	---	---	0.1228	1.04 B	31.2	24.7	11.1	8.73	7.88	5.34	---	---	21
22	---	---	0.1228	0.8118	30.4	23.2E	11.0	9.30	7.43E	5.68	---	---	22
23	---	---	0.1228	1.00 B	28.8	22.0	10.9 E	13.3	7.00	5.53	---	---	23
24	---	---	0.1228	1.19 B	28.0	20.8E	14.5	12.7	8.65E	5.84	---	---	24
25	---	---	0.1228	2.11 B	45.5	19.2	18.3	12.8	7.84	5.56	---	---	25
26	---	---	0.1218	3.35 B	41.7	18.3E	17.9	12.4 E	8.30	5.27	---	---	26
27	---	---	0.1218	4.40 B	40.7	17.1	17.6	11.5	8.24	5.38	---	---	27
28	---	---	0.1218	4.61 B	36.5	17.0	16.4	10.3	8.00	4.70B	---	---	28
29	---		0.1218	23.4 B	33.3	14.2	14.6 E	9.80E	7.65E	3.63B	---	---	29
30	---		0.1218	47.2	30.1	14.5	16.0	9.86	7.40E	2.75B	---	---	30
31	---		0.1218		28.7E		17.4	8.93		1.42B		---	31
TOTAL	---	---	3.676	93.310	1 378.5	625.5	402.74	380.25	228.88	168.02	---	---	TOTAL
MEAN	---	---	0.126	3.11	44.5	27.5	13.0	12.6	7.82	5.36	---	---	MEAN
MAX	---	---	0.132	47.2	82.2	42.6	17.9	15.8	9.48	7.03	---	---	MAX
MIN	---	---	0.121	0.120	28.7	14.2	8.25	8.73	6.21	1.42	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 14.2
MAXIMUM DAILY, 82.2 ON MAY 2
MINIMUM DAILY, 0.1208 ON APR 2
MAXIMUM INSTANTANEOUS,
84.3 AT 06:00 MST ON MAY 2

TYPE OF GAUGE - MANUAL
LOCATION - LAT 58 27 53 N
LONG 118 15 23 W
DRAINAGE AREA, 2 440 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	34 800
FEB	---	AUG	33 700
MAR	336	SEP	19 800
APR	8 080	OCT	14 300
MAY	119 000	NOV	---
JUN	71 300	DEC	---

TOTAL DISCHARGE, 301 000 dam³

REMARKS - PEAK DISCHARGE WAS DERIVED FROM HIGH WATER MARK

PONY CREEK NEAR CHARD - STATION NO. 07CE003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.1088	1.00	1.82	1.73	1.50	0.883	1.84	---	---	1
2	---	---	0 B	0.3328	0.948	1.85	2.14	1.88	0.700	1.87	---	---	2
3	---	---	0 B	0.2438	0.825	1.46	2.75	1.78	0.898	1.87	---	---	3
4	---	---	0 B	0.1418	0.789	1.36	3.02	1.57	0.787	1.47	---	---	4
5	---	---	0 B	0.0898	0.738	1.26	2.87	1.42	0.876	1.38	---	---	5
6	---	---	0 B	0.0828	0.889	1.38	2.56	1.31	0.805	1.26	---	---	6
7	---	---	0 B	0.0478	0.882	1.80	2.23	1.18	0.886	1.18	---	---	7
8	---	---	0 B	0.0328	0.836	1.83	1.86	0.970	0.867	1.13	---	---	8
9	---	---	0 B	0.0818	0.807	1.89	1.77	0.880	0.848	1.11	---	---	9
10	---	---	0 B	0.0918	0.788	2.81	1.83	0.877	0.807	1.08	---	---	10
11	---	---	0 B	0.0768	0.733	3.43	1.43	0.848	0.888	1.06	---	---	11
12	---	---	0 B	0.0838	0.874	3.47	1.27	0.480	0.882	1.01	---	---	12
13	---	---	0 B	0.0828	0.825	2.84	1.16	0.364	0.382	1.01	---	---	13
14	---	---	0 B	0.0788	0.883	2.58	0.987	0.420	0.416	0.977	---	---	14
15	---	---	0 B	0.1508	0.822	2.28	0.837	0.284	0.388	0.984	---	---	15
16	---	---	0 B	0.1728	0.788	2.08	0.730	0.288	0.488	0.842	---	---	16
17	---	---	0 B	0.1248	0.819	2.47	1.18	0.244	0.881	0.827	---	---	17
18	---	---	0 B	0.0858	0.743	3.26	0.711	0.256	1.03	0.906	---	---	18
19	---	---	0 B	0.0768	0.843	3.47	0.817	0.288	0.987	0.886	---	---	19
20	---	---	0.0188	0.0818	1.38	3.42	0.389	0.244	0.888	0.889	---	---	20
21	---	---	0.0828	0.1288	1.80	3.45	0.445	0.273	1.01	0.418	---	---	21
22	---	---	0.0788	0.1768	2.23	3.48	0.534	0.328	1.04	0.782	---	---	22
23	---	---	0.0888	0.1548	2.24	3.05	0.521	0.362	1.05	0.724	---	---	23
24	---	---	0.0448	0.1898	2.08	2.77	0.587	0.348	1.02	0.887	---	---	24
25	---	---	0.0488	0.1878	1.88	2.61	2.19	0.383	0.944	0.858	---	---	25
26	---	---	0.0538	0.2638	1.77	2.29	2.24	0.409	0.884	0.878	---	---	26
27	---	---	0.0578	0.3488	1.82	2.07	2.05	0.398	0.861	0.881	---	---	27
28	---	08	0.0618	0.5288	1.78	1.93	1.87	0.486	0.783	0.881A	---	---	28
29	---		0.0578	0.7008	1.65	1.81	1.69	0.640	0.757	0.880E	---	---	29
30	---		0.0718	0.8878	1.63	1.77	1.54	0.721	1.02	0.8408	---	---	30
31	---		0.0788		1.50		1.84	0.829		0.8208		---	31
TOTAL	---	---	0.719	5.881	37.213	70.90	47.138	21.817	22.428	30.442	---	---	TOTAL
MEAN	---	---	0.023	0.188	1.20	2.36	1.52	0.684	0.748	0.882	---	---	MEAN
MAX	---	---	0.066	0.887	2.24	3.47	3.02	1.88	1.05	1.87	---	---	MAX
MIN	---	---	0	0.032	0.662	1.26	0.389	0.244	0.388	0.820	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.883
MAXIMUM DAILY, 3.47 ON JUN 12
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
4.88 AT 03:22 MST ON JUN 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 51 55 N
LONG 110 55 00 W
DRAINAGE AREA, 278 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4 070
FEB	---	AUG	1 880
MAR	82.1	SEP	1 840
APR	488	OCT	3 830
MAY	3 230	NOV	---
JUN	8 130	DEC	---

TOTAL DISCHARGE, 20 400 dam³

PORTER CREEK ABOVE BAPTISTE LAKE - STATION NO. 07BE003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0.0028	0.081	0.387	0.208	0.120	0.014	0.088	0.0438	---	1
2	---	---	0B	0.0058	0.080	0.317	0.213	0.114	0.010	0.082	0.0488	---	2
3	---	---	0B	0.0108	0.077	0.270	0.210	0.103	0.010	0.068	0.0488	---	3
4	---	---	0B	0.0188	0.078	0.220	0.206	0.088	0.011	0.057	0.0448	---	4
5	---	---	0B	0.0188	0.074	0.188	0.193	0.071	0.011	0.051	0.0458	---	5
6	---	---	0B	0.0188	0.071	0.181	0.183	0.080	0.017	0.052	0.0408	---	6
7	---	---	0B	0.0208	0.078	0.178	0.180	0.050	0.018	0.049	---	---	7
8	---	---	0B	0.0208	0.070	0.182	0.215	0.042	0.017	0.045	---	---	8
9	---	---	0B	0.0248	0.073	0.185	0.238	0.031	0.018	0.039	---	---	9
10	---	---	0B	0.0358	0.081	0.177	0.244	0.030	0.020	0.037	---	---	10
11	---	---	0B	0.0548	0.082	0.178	0.220	0.023	0.021	0.033	---	---	11
12	---	---	0B	0.0758	0.080	0.188	0.198	0.018	0.022	0.038	---	---	12
13	---	---	0B	0.1208	0.081	0.147	0.173	0.011	0.023	0.038	---	---	13
14	---	---	0B	0.1688	0.087	0.146	0.180	0.008	0.023	0.037	---	---	14
15	---	---	0B	0.2148	0.104	0.189	0.181	0.008	0.028	0.034	---	---	15
16	---	---	0B	0.2008	0.118	0.178	0.138	0.005	0.031	0.035	---	---	16
17	---	---	0B	0.1808	0.130	0.183	0.138	0.006	0.032	0.039	---	---	17
18	---	---	0B	0.1428	0.142	0.180	0.131	0.008	0.033	0.044	---	---	18
19	---	---	0B	0.1338	0.278	0.189	0.138	0.004	0.034	0.041	---	---	19
20	---	---	0B	0.1318	0.327	0.202	0.134	0.002	0.038	0.043	---	---	20
21	---	---	0B	0.1338	0.388	0.232	0.181	0.003	0.039	0.038	---	---	21
22	---	0B	0B	0.1188	0.471	0.237	0.188	0.003	0.038	0.038	---	---	22
23	---	0B	0B	0.1188	0.488	0.233	0.183	0.004	0.041	0.048	---	---	23
24	---	0B	0B	0.092	0.527	0.230	0.143	0.001	0.043	0.047	---	---	24
25	---	0B	0B	0.090	0.804	0.217	0.138	0.002	0.044	0.050	---	---	25
26	---	0B	0B	0.078	0.537	0.205	0.131	0.003	0.048	0.048	---	---	26
27	---	0B	0B	0.076	0.520	0.224	0.148	0.004	0.051	0.048	---	---	27
28	---	0B	0B	0.073	0.483	0.219	0.188	0.004	0.054	0.048	---	---	28
29	---		0B	0.083	0.944	0.213	0.148	0.008	0.054	0.047	---	---	29
30	---		0B	0.084	0.807	0.211	0.148	0.008	0.060	0.048	---	---	30
31	---		0B		0.419		0.131	0.013		0.0448		---	31
TOTAL	---	---	0	2.510	8.228	8.148	8.201	0.842	0.898	1.387	---	---	TOTAL
MEAN	---	---	0	0.084	0.265	0.205	0.170	0.027	0.030	0.045	---	---	MEAN
MAX	---	---	0	0.214	0.944	0.387	0.244	0.120	0.060	0.068	---	---	MAX
MIN	---	---	0	0.002	0.070	0.144	0.131	0.001	0.010	0.033	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.103
MAXIMUM DAILY, 0.944 ON MAY 29
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.98 AT 08:58 MST ON MAY 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 43 20 N
LONG 113 34 25 W
DRAINAGE AREA, 57.2 km²
B - ICE CONDITIONS

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	455
FEB	---	AUG	72.7
MAR	0	SEP	77.4
APR	217	OCT	121
MAY	711	NOV	---
JUN	831	DEC	---

TOTAL DISCHARGE, 2 190 dam³

REMARKS - THE EXTREMELY HIGH PEAK COULD HAVE BEEN AFFECTED FROM BACKWATER, DEBRIS, ETC.

POTHOLE CREEK AT RUSSELL'S RANCH - STATION NO. 05AE018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.378	0.810	0.447	1.06	0.647	0.312	3.94	0.0758	1
2	---	---	---	---	0.384	0.708	0.458	0.814	0.808	0.410	3.88	0.0758	2
3	---	---	---	---	0.382	0.642	0.448	0.821	0.750	0.439	3.88	0.088	3
4	---	---	---	---	0.389	0.608	0.808	0.887	0.672	0.512	3.82	0.091	4
5	---	---	---	---	0.386	0.478	0.748	0.889	0.843	0.803	3.82	0.093	5
6	---	---	---	---	0.338	0.617	0.588	0.808	0.672	0.441	3.80	0.0738	6
7	---	---	---	---	0.328	0.818	0.712	0.478	0.578	0.747	3.24	0.0888	7
8	---	---	---	---	0.338	0.807	1.13	0.478	0.482	0.571	0.571	0.0808	8
9	---	---	---	---	0.358	0.411	0.993	0.880	0.453	0.632	0.308	0.0448	9
10	---	---	---	---	0.320	0.624	0.784	0.892	0.434	0.588	0.218	0.0318	10
11	---	---	---	---	0.282	1.78	0.825	0.818	0.402	0.478	0.178	0.0308	11
12	---	---	---	---	0.243	1.77	0.771	0.494	0.424	1.82	0.188	0.0288	12
13	---	---	---	---	0.193	0.880	0.882	0.413	0.448	2.01	0.1408	---	13
14	---	---	---	---	0.204	0.518	1.30	0.814	0.424	2.01	0.1308	---	14
15	---	---	---	---	0.220	0.398	1.82	0.832	0.403	1.86	0.1208	---	15
16	---	---	---	---	0.248	0.433	1.18	0.440	0.338	1.88	0.1308	---	16
17	---	---	---	---	0.447	0.447	0.817	0.408	0.318	1.84	0.1308	---	17
18	---	---	---	---	0.880	0.388	0.734	0.328	0.411	1.80	0.151	---	18
19	---	---	---	---	0.527	0.408	0.488	0.384	0.392	1.78	0.131	---	19
20	---	---	---	---	0.482	0.381	0.738	0.487	0.328	1.74	0.118	---	20
21	---	---	---	---	0.308	0.273	0.808	0.582	0.277	1.83	0.1058	---	21
22	---	---	---	---	0.282	0.330	0.833	0.420	0.288	1.83	0.1008	---	22
23	---	---	---	---	0.263	0.583	0.578	0.287	0.271	1.78	0.0858	---	23
24	---	---	---	---	0.878	0.780	0.735	0.488	0.241	1.78	0.0808	---	24
25	---	---	---	---	0.847	1.20	0.728	0.739	0.225	1.69	0.0858	---	25
26	---	---	---	---	0.880	1.08	0.880	0.788	0.208	1.88	0.0808	---	26
27	---	---	---	0.880A	0.898	0.840	0.818	0.800	0.233	1.84	0.0808	---	27
28	---	---	---	0.845	1.28	0.487	0.838	1.00	0.218	1.70	0.081	---	28
29	---		---	0.484	1.48	0.808	0.780	0.887	0.288	1.81	0.088	---	29
30	---		---	0.418	0.884	0.482	0.841	0.788	0.278	1.87	0.0808	---	30
31	---		---		0.738		1.08	0.712		1.80		---	31
TOTAL	---	---	---	---	18.838	18.483	25.111	18.838	12.000	41.270	29.828	---	TOTAL
MEAN	---	---	---	---	0.478	0.849	0.810	0.811	0.400	1.33	0.998	---	MEAN
MAX	---	---	---	---	1.48	1.78	1.82	1.08	0.780	2.01	3.94	---	MAX
MIN	---	---	---	---	0.193	0.273	0.448	0.287	0.208	0.312	0.080	---	MIN

SUMMARY FOR THE MONTHS MAY TO NOV

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.788
MAXIMUM DAILY, 3.94 ON NOV 1
MINIMUM DAILY, 0.0808 ON NOV 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 33 52 N
LONG 112 48 40 W
DRAINAGE AREA, 772 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1910

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 170
FEB	---	AUG	1 840
MAR	---	SEP	1 040
APR	---	OCT	3 670
MAY	1 280	NOV	2 880
JUN	1 880	DEC	---

TOTAL DISCHARGE, 14 000 dam³

POTHOLE TURNOUT NEAR MACRATH - STATION NO. 05AE038

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	0	0.492	0.195	0.813	0.259	0.377	0A	---	1
2	---	---	---	0	0	0.421	0.191	0.821	0.274	0.384	---	---	2
3	---	---	---	0	0	0.328	0.248	0.804	0.270	0.347	---	---	3
4	---	---	---	0	0	0.340	0.347	0.788	0.238	0.331	---	---	4
5	---	---	---	0	0	0.343	0.493	0.768	0.238	0.340	---	---	5
6	---	---	---	0	0	0.384	0.845	0.736	0.247	0.382	---	---	6
7	---	---	---	0	0	0.429	0.745	0.683	0.270	0.391	---	---	7
8	---	---	---	0	0	0.487	0.863	0.629	0.282	0.380	---	---	8
9	---	---	---	0	0	0.441	0.878	0.576	0.263	0.384	---	---	9
10	---	---	---	0A	0.067	0.456	0.858	0.520	0.268	0.243	---	---	10
11	---	---	---	0E	0.139	0.480	0.818	0.468	0.276	0.215	---	---	11
12	---	---	---	0E	0.151	0.323	0.803	0.442	0.291	0.201	---	---	12
13	---	---	---	0E	0.152	0.181	0.809	0.418	0.303	0.196	---	---	13
14	---	---	---	0E	0.154	0.178	0.801	0.388	0.316	0.039	---	---	14
15	---	---	---	0E	0.156	0.179	0.775	0.336	0.187	0	---	---	15
16	---	---	---	0E	0.159	0.176	0.743	0.327	0.048	0	---	---	16
17	---	---	---	0E	0.158	0.174	0.756	0.328	0	0	---	---	17
18	---	---	---	0E	0.162	0.201	0.780	0.330	0	0	---	---	18
19	---	---	---	0E	0.161	0.333	0.785	0.350	0	0	---	---	19
20	---	---	---	0E	0.281	0.284	0.814	0.380	0	0	---	---	20
21	---	---	---	0E	0.340	0.283	0.804	0.331	0	0	---	---	21
22	---	---	---	0E	0.380	0.238	0.784	0.251	0	0	---	---	22
23	---	---	---	0E	0.548	0.175	0.780	0.205	0	0	---	---	23
24	---	---	---	0E	0.579	0.180	0.778	0.232	0	0	---	---	24
25	---	---	---	0A	0.611	0.221	0.767	0.238	0	0	---	---	25
26	---	---	---	0	0.881	0.183	0.724	0.230	0	0	---	---	26
27	---	---	---	0	0.755	0.156	0.751	0.229	0	0	---	---	27
28	---	---	0A	0	0.784	0.155	0.778	0.223	0	0	---	---	28
29	---		0	0	0.753	0.148	0.828	0.219	0.080	0	---	---	29
30	---		0	0	0.715	0.162	0.836	0.229	0.389	0	---	---	30
31	---		0		0.630		0.808	0.243		0		---	31
TOTAL	---	---	---	0	8.506	8.428	21.872	13.440	4.474	4.178	---	---	TOTAL
MEAN	---	---	---	0	0.274	0.281	0.709	0.434	0.149	0.135	---	---	MEAN
MAX	---	---	---	0	0.784	0.492	0.878	0.821	0.389	0.392	---	---	MAX
MIN	---	---	---	0	0	0.148	0.191	0.205	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.285
MAXIMUM DAILY, 0.878 ON JUL 9
MINIMUM DAILY, 0 ON APR 1

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 22 37 N
LONG 112 53 52 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 900
FEB	---	AUG	1 180
MAR	---	SEP	387
APR	0	OCT	361
MAY	738	NOV	---
JUN	728	DEC	---

TOTAL DISCHARGE, 5 270 dam³

PRAIRIE BLOOD COULEE NEAR LETHBRIDGE - STATION NO. 05AD038

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 E	1.20	0	0	0	0	0	0	---	---	1
2	---	---	0 E	0.425	0	0	0	0	0	0	---	---	2
3	---	---	0 E	0.185	0	0	0	0	0	0	---	---	3
4	---	---	0 E	0.071	0	0	0	0	0	0	---	---	4
5	---	---	0 E	0.038	0	0	0	0	0	0	---	---	5
6	---	---	0 E	0.035	0	0	0	0	0	0	---	---	6
7	---	---	0 E	0.088	0	0	0	0	0	0	---	---	7
8	---	---	0 E	0.086	0	0	0	0	0	0	---	---	8
9	---	---	0 E	0.082	0	0	0	0	0	0	---	---	9
10	---	---	0 E	0.060	0	0.001	0	0	0	0	---	---	10
11	---	---	0 E	0.029	0	0.004	0	0	0	0	---	---	11
12	---	---	0 E	0.019	0	0.002	0	0	0	0	---	---	12
13	---	---	0 A	0.012	0	0	0	0	0	0	---	---	13
14	---	---	0	0.008	0	0	0	0	0	0	---	---	14
15	---	---	0	0.004	0	0	0	0	0	0	---	---	15
16	---	---	0	0.004	0	0	0	0	0	0	---	---	16
17	---	---	0	0.004	0	0	0	0	0	0	---	---	17
18	---	---	0	0.003	0	0	0	0	0	0	---	---	18
19	---	---	0	0.002	0	0	0	0	0	0	---	---	19
20	---	---	0	0.002	0	0	0	0	0	0	---	---	20
21	---	---	0	0.002	0	0	0	0	0	0	---	---	21
22	---	---	0	0.001	0	0	0	0	0	0	---	---	22
23	---	---	0	0.001	0	0	0	0	0	0	---	---	23
24	---	---	0.006	0.001	0	0	0	0	0	0	---	---	24
25	---	---	0.008	0.002	0	0	0	0	0	0	---	---	25
26	---	---	1.08	0.004	0	0	0	0	0	0	---	---	26
27	---	0A	0.844	0.004	0	0	0	0	0	0	---	---	27
28	---	0E	2.26	0.004	0	0	0	0	0	0	---	---	28
29	---		8.08	0.003	0	0	0	0	0	0	---	---	29
30	---		2.02	0.001	0	0	0	0	0	0A	---	---	30
31	---		1.59		0		0	0		0E		---	31
TOTAL	---	---	13.888	2.360	0	0.007	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.448	0.079	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	8.08	1.20	0	0.004	0	0	0	0	---	---	MAX
MIN	---	---	0	0.001	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.066
MAXIMUM DAILY, 8.08 ON MAR 29
MINIMUM DAILY, 0E ON MAR 1
MAXIMUM INSTANTANEOUS,
8.80 AT 13:50 MST ON MAR 29

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 33 50 N
LONG 112 57 32 W
DRAINAGE AREA, 237 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	1 200	SEP	0
APR	204	OCT	0
MAY	0	NOV	---
JUN	0.80	DEC	---

TOTAL DISCHARGE, 1 400 dam³

PRAIRIE CREEK BELOW LICK CREEK - STATION NO. 05DB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.245B	0.320B	3.83	1.45	2.92	1.14	6.08	1.83	1.24A	---	1
2	---	---	0.235B	0.315B	4.17	1.42	2.40	2.23	5.44	1.82	---	---	2
3	---	---	0.225B	0.310B	3.93	1.40	2.06	6.88	5.78	1.46	---	---	3
4	---	---	0.220B	0.304B	4.54	1.39	1.83	6.28	5.86	1.43	---	---	4
5	---	---	0.215B	0.295B	4.91	1.32	1.84	4.87	5.82	1.46	---	---	5
6	---	---	0.210B	0.285B	5.08	1.27	1.71	3.84	5.13	1.42	---	---	6
7	---	---	0.215B	0.280B	4.76	1.82	1.80	3.46	5.88	1.38	---	---	7
8	---	---	0.215B	0.300B	4.26	1.48	1.85	2.73	6.86	1.34	---	---	8
9	---	---	0.220B	0.320B	3.73	1.38	1.83	2.38	6.42	1.29	---	---	9
10	---	---	0.225B	0.360B	3.37	1.37	1.83	2.26	5.88	1.31	---	---	10
11	---	---	0.235B	0.444B	3.08	1.50	5.81	2.06	5.27	1.42	---	---	11
12	---	---	0.230B	0.530B	2.76	1.38	8.09	1.81	4.88	1.42	---	---	12
13	---	---	0.225B	0.640B	2.38	1.24	8.34	1.88	4.25	1.45	---	---	13
14	---	---	0.220B	0.740B	2.08	1.18	4.84	1.87	3.82	1.47	---	---	14
15	---	---	0.211B	0.820B	1.95	1.19	4.39	1.80	3.81	1.40	---	---	15
16	---	---	0.205B	0.780B	1.81	2.78	5.78	3.02	3.34	1.38	---	---	16
17	---	---	0.200B	0.770B	1.77	4.01	4.87	5.19	3.21	1.30	---	---	17
18	---	---	0.200B	0.749B	1.76	2.68	3.85	5.33	3.18	1.31	---	---	18
19	---	---	0.205B	0.720B	1.71	1.85	3.31	4.98	2.87	1.31	---	---	19
20	---	---	0.210B	0.700B	1.72	1.65	2.72	9.30	2.74	1.29	---	---	20
21	---	---	0.215B	0.710B	1.88	1.68	2.46	8.42	2.88	1.26	---	---	21
22	---	---	0.220B	0.748B	1.82	1.48	2.37	8.18	2.40	1.27	---	---	22
23	---	---	0.225B	0.735B	1.44	1.58	2.10	5.01	2.27	1.26	---	---	23
24	---	---	0.240B	0.715B	1.67	1.83	1.88	4.77	2.21	1.28	---	---	24
25	---	---	0.260B	0.685B	1.89	2.02	1.73	4.21	2.11	1.33	---	---	25
26	---	---	0.285B	0.665B	1.67	1.79	1.63	4.03	2.03	1.29	---	---	26
27	---	0.280B	0.285B	0.660B	1.80	3.20	1.33	3.75	1.82	1.27	---	---	27
28	---	0.255B	0.295B	1.20 B	1.89	3.23	1.24	3.44	1.65	1.27	---	---	28
29	---		0.310B	2.10 B	1.58	2.55	1.18	4.10	1.76	1.20	---	---	29
30	---		0.320B	2.70 B	1.55	2.25	1.23	4.09	1.71	1.21	---	---	30
31	---		0.335B		1.48		1.20	5.58		1.21A		---	31
TOTAL	---	---	7.316	20.967	81.11	64.84	68.79	122.83	117.46	41.80	---	---	TOTAL
MEAN	---	---	0.238	0.699	2.62	1.63	2.68	3.96	3.92	1.35	---	---	MEAN
MAX	---	---	0.325	2.70	5.08	4.01	8.09	9.58	6.86	1.83	---	---	MAX
MIN	---	---	0.200	0.265	1.44	1.18	1.18	1.14	1.71	1.20	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.18
MAXIMUM DAILY, 8.68 ON AUG 3
MINIMUM DAILY, 0.200B ON MAR 17
MAXIMUM INSTANTANEOUS,
9.82 AT 11:17 MST ON AUG 3

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 15 10 N
LONG 115 17 30 W
DRAINAGE AREA, 208 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	7 870
FEB	---	AUG	10 800
MAR	832	SEP	10 100
APR	1 810	OCT	3 810
MAY	7 010	NOV	---
JUN	4 740	DEC	---

TOTAL DISCHARGE, 48 200 dam³

PRAIRIE CREEK NEAR ROCKY MOUNTAIN HOUSE - STATION NO. 05DB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.68B	1.65B	1.41B	2.02B	7.36	3.82	5.18	3.80	11.3	5.83	4.85	3.85B	1
2	1.67B	1.62B	1.48B	1.88B	8.29	3.81	5.32	4.30	11.2	5.46	4.83	3.67B	2
3	1.67B	1.78B	1.46B	1.83B	8.61	3.41	4.77	11.2	12.3	5.40	4.46	3.80B	3
4	1.58B	1.75B	1.62B	1.84B	7.87	3.32	4.36	19.4	13.0	5.40	4.83	3.88B	4
5	1.86B	1.72B	1.68B	1.84B	7.87	3.26	4.12	14.8	11.4	5.38	4.87	3.80B	5
6	1.58B	1.88B	1.88B	1.98B	7.90	3.24	3.94	11.0	11.3	5.31	4.86	3.30B	6
7	1.58B	1.85B	1.83B	2.28B	8.18	3.08	3.75	9.03	10.9	5.37	4.47	3.15B	7
8	1.58B	1.82B	1.84B	2.50B	8.03	3.38	3.67	7.83	12.7	5.33	4.26	3.00B	8
9	1.58B	1.88B	1.83B	2.38B	7.44	3.51	3.48	8.81	13.3	5.03	4.32	2.93B	9
10	1.58B	1.58B	1.81B	2.81B	6.87	3.47	3.78	8.20	12.8	5.10	4.33	2.82B	10
11	1.67B	1.82B	1.89B	3.06B	6.50	3.48	5.18	5.86	11.7	5.43	4.41	2.83B	11
12	1.58B	1.48B	1.87B	3.31B	6.11	3.67	15.2	5.58	10.8	5.88	4.23B	2.98B	12
13	1.89B	1.47B	1.88B	2.41B	5.88	3.80	14.4	5.18	10.0	5.84	4.12B	3.04B	13
14	1.81B	1.46B	1.82B	2.34B	5.12	3.31	10.8	4.98	9.35	5.89	3.98B	3.12B	14
15	1.83B	1.42B	1.81B	3.32B	4.68	3.12	8.98	4.78	8.88	5.83	4.03B	3.17B	15
16	1.67B	1.40B	1.48B	5.79B	4.49	3.85	8.72	5.13	8.58	5.81	4.13B	2.97B	16
17	1.70B	1.37B	1.48B	4.90B	4.36	5.86	9.18	8.86	8.37	5.34	4.17B	2.88B	17
18	1.73B	1.35B	1.46B	3.92B	4.26	7.86	7.87	12.8	8.48	5.16	4.16B	2.78B	18
19	1.77B	1.33B	1.49B	4.37B	4.37	6.04	6.80	11.2	8.33	4.92	4.15B	2.70B	19
20	1.84B	1.32B	1.49B	4.88B	4.87	5.29	5.85	10.6	8.02	4.87	4.13B	2.86B	20
21	1.80B	1.30B	1.48B	5.28	4.44	4.94	5.46	11.2	7.81	4.81	4.09B	2.84B	21
22	1.96B	1.28B	1.52B	5.06	4.12	4.88	5.16	11.0	7.28	4.77	4.05B	2.73B	22
23	2.00B	1.29B	1.54B	4.15	3.88	4.86	5.10	10.5	7.02	4.74	4.02B	2.64B	22
24	2.06B	1.30B	1.58B	3.82	3.86	4.87	4.82	9.44	6.84	4.89	4.00B	2.63B	24
25	2.10B	1.31B	1.57B	4.34	4.23	4.91	4.84	9.03	6.84	5.47	3.97B	2.79B	25
26	2.04B	1.33B	1.58B	4.81	4.38	5.10	4.18	8.78	6.31	5.85	3.89B	2.78B	26
27	2.04B	1.34B	1.63B	5.00	4.28	5.34	3.93	8.85	6.12	5.16	4.04B	2.76B	27
28	2.00B	1.36B	1.53B	5.23	4.15	7.46	3.74	8.46	5.91	4.88	4.07B	2.73B	28
29	1.97B		1.61B	5.32	4.12	8.83	3.59	8.44	5.76	4.71	4.08B	2.70B	29
30	1.93B		1.61B	5.10	3.84	9.81	3.56	8.90	5.88	4.50	4.00B	2.71B	30
31	1.88B		1.64B		3.79		3.82	8.78		4.48		2.71B	31
TOTAL	54.21	41.82	47.84	108.82	173.78	134.10	162.87	273.24	277.78	161.83	126.81	83.37	TOTAL
MEAN	1.75	1.49	1.54	3.63	5.60	4.47	5.90	8.81	9.26	5.22	4.23	3.01	MEAN
MAX	2.10	1.65	1.64	5.35	8.61	7.86	15.2	19.4	13.3	5.89	4.87	3.85	MAX
MIN	1.58	1.26	1.41	1.84	3.79	3.06	3.46	3.80	5.88	4.48	3.97	2.64	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.59
MAXIMUM DAILY, 19.4 ON AUG 4
MINIMUM DAILY, 1.26B ON FEB 22
MAXIMUM INSTANTANEOUS,
20.5 AT 09:02 MST ON AUG 4

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 16 20 N
LONG 114 55 50 W
DRAINAGE AREA, 859 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	4 880	JUL	15 600
FEB	3 600	AUG	23 600
MAR	4 130	SEP	24 000
APR	9 400	OCT	14 000
MAY	15 000	NOV	11 000
JUN	11 600	DEC	8 080

TOTAL DISCHARGE, 148 000 dam³

PUNK CREEK NEAR THE MOUTH - STATION NO. 08AB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0018	0.0318	0.043	0.003	0.005	0.004	0	0.002	0.0288	---	1
2	---	---	0.0018	0.0408	0.040	0.005	0.005	0.004	0.001	0.001	0.0278	---	2
3	---	---	0.0018	0.0388	0.037	0.005	0.004	0.004	0.001	0.001	0.0278	---	3
4	---	---	0.0018	0.0378	0.034	0.004	0.003	0.005	0.001	0.001	0.0278	---	4
5	---	---	0.0018	0.0378	0.034	0.004	0.003	0.003	0.001	0.002	0.0328	---	5
6	---	---	0.0018	0.0428	0.031	0.004	0.003	0.003	0.001	0.003	0.0308	---	6
7	---	---	0.0018	0.0488	0.027	0.006	0.003	0.003	0.002	0.004	0.0308	---	7
8	---	---	0.0018	0.0478	0.024	0.005	0.003	0.003	0.002	0.005	0.0318	---	8
9	---	---	0.0018	0.0478	0.020	0.005	0.003	0.001	0.002	0.005	---	---	9
10	---	---	0.0018	0.0408	0.021	0.007	0.003	0.001	0.003	0.006	---	---	10
11	---	---	0.0018	0.0338	0.020	0.005	0.003	0.001	0.002	0.008	---	---	11
12	---	---	0.0018	0.0338	0.018	0.004	0.002	0	0.002	0.010	---	---	12
13	---	---	0.0018	0.0358	0.018	0.004	0.002	0	0.002	0.010	---	---	13
14	---	---	0.0018	0.0408	0.017	0.003	0.001	0	0.002	0.011	---	---	14
15	---	---	0.0018	0.0398	0.017	0.004	0.001	0.001	0.002	0.013	---	---	15
16	---	---	0.0018	0.0388	0.015	0.004	0	0.001	0.002	0.014	---	---	16
17	---	---	0.0018	0.0408	0.014	0.005	0	0.002	0.002	0.015	---	---	17
18	---	---	0.0018	0.041	0.017	0.004	0	0.002	0.002	0.017	---	---	18
19	---	---	0.0018	0.037	0.021	0.004	0	0.002	0.002	0.021	---	---	19
20	---	---	0.0018	0.040	0.024	0.004	0	0.001	0.002	0.028	---	---	20
21	---	0.0078	0.0018	0.028	0.026A	0.005	0.001	0.001	0.001	0.027	---	---	21
22	---	0.0038	0.0018	0.028	0.020E	0.005	0.001	0.001	0.001	0.033	---	---	22
23	---	0.0018	0.0018	0.029	0.017E	0.006	0.001	0.001	0.001	0.038	---	---	23
24	---	0.0028	0.0018	0.030	0.013E	0.005	0.002	0.001	0.001	0.038	---	---	24
25	---	0.0018	0.0018	0.028	0.010E	0.005	0.003	0.001	0.001	0.0388	---	---	25
26	---	0.0048	0.0018	0.028	0.008E	0.004	0.004	0	0.001	0.0408	---	---	26
27	---	0.0018	0.0018	0.027	0.008E	0.004	0.004	0	0.001	0.0388	---	---	27
28	---	0.0018	0.0018	0.028	0.004E	0.004	0.005	0	0.001	0.0338	---	---	28
29	---	---	0.0018	0.028	0.003E	0.005	0.004	0	0.001	0.0318	---	---	29
30	---	---	0.0018	0.042	0.003E	0.005	0.004	0	0.001	0.0308	---	---	30
31	---		0.0048		0.003A		0.004	0		0.0298		---	31
TOTAL	---	---	0.034	1.072	0.603	0.138	0.077	0.046	0.044	0.648	---	---	TOTAL
MEAN	---	---	0.001	0.036	0.019	0.005	0.002	0.001	0.001	0.018	---	---	MEAN
MAX	---	---	0.004	0.047	0.043	0.007	0.005	0.005	0.003	0.040	---	---	MAX
MIN	---	---	0.001	0.028	0.003	0.003	0	0	0	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.010
MAXIMUM DAILY, 0.0478 ON APR 8
MINIMUM DAILY, 0 ON JUL 16

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 64 32 20 N
LONG 111 13 40 W
DRAINAGE AREA, 396 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5.85
FEB	---	AUG	3.97
MAR	2.84	SEP	3.80
APR	92.6	OCT	47.3
MAY	52.1	NOV	---
JUN	11.8	DEC	---

TOTAL DISCHARGE, 221 dam³

RACEHORSE CREEK NEAR THE MOUTH - STATION NO. 09AA027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.2388	5.21	13.1	3.34	1.07	1.00	0.726	0.6488	---	1
2	---	---	---	0.2328	7.87	14.7	2.88	1.04	1.80	0.887	1.18 A	---	2
3	---	---	---	0.2278	7.85	14.2	2.76	1.02	1.42	0.842	---	---	3
4	---	---	---	0.2238	8.70	13.3	2.58	0.846	1.20	0.888	---	---	4
5	---	---	---	0.2208	10.1	14.4	2.38	0.813	1.07	0.700	---	---	5
6	---	---	---	0.2238	15.3	15.4	2.38	0.879	1.03	0.888	---	---	6
7	---	---	---	0.2408	16.3	14.9	2.11	0.888	1.06	0.874	---	---	7
8	---	---	---	0.2708	17.2	13.1	2.01	0.882	1.08	0.887	---	---	8
9	---	---	---	0.3108	18.5	13.8	1.94	0.896	1.80	0.862	---	---	9
10	---	---	---	0.3688	17.2	12.7	3.08	0.878	1.81	0.860	---	---	10
11	---	---	---	0.4108	15.0	10.8	2.82	0.781	1.81	0.788	---	---	11
12	---	---	---	0.4408	12.1	9.88	2.12	0.768	1.41	0.886	---	---	12
13	---	---	---	0.4508	9.84	9.89	2.02	0.741	1.32	1.84	---	---	13
14	---	---	---	0.4508	8.31	9.77	3.84	0.783	1.21	1.80	---	---	14
15	---	---	---	0.4508	8.08	9.28	2.82	0.774	1.14	1.36	---	---	15
16	---	---	---	1.30 B	8.87	8.78	2.74	0.718	1.08	1.12	---	---	16
17	---	---	---	1.80 B	8.07	7.70	2.42	0.688	1.02	0.818	---	---	17
18	---	---	---	1.80 B	8.58	6.85	2.18	0.882	1.04	0.888	---	---	18
19	---	---	---	2.35 B	7.85	6.40	2.02	0.887	0.973	0.887	---	---	19
20	---	---	---	4.81 B	8.68	6.83	1.98	0.887	0.920	1.08	---	---	20
21	---	---	---	5.30 B	8.38	5.14	1.81	0.875	0.881	2.80	---	---	21
22	---	---	0.2438	5.00 B	8.48	4.77	1.87	0.863	0.848	2.17	---	---	22
23	---	---	0.2248	5.48 B	7.22	4.58	1.88	0.841	0.828	1.78	---	---	23
24	---	---	0.2348	3.88 B	8.62	4.87	1.81	0.788	0.808	1.78	---	---	24
25	---	---	0.2318	2.88	8.47	5.37	1.41	0.807	0.771	1.80	---	---	25
26	---	---	0.2528	2.42	8.88	4.88	1.33	1.06	0.788	1.48	---	---	26
27	---	---	0.2428	3.04	8.64	4.33	1.28	1.78	0.788	1.37	---	---	27
28	---	---	0.2548	1.84	8.18	3.80	1.22	1.78	0.761	1.28	---	---	28
29	---		0.2388	1.87	8.88	3.71	1.13	1.44	0.780	0.881	---	---	29
30	---		0.2448	3.11	8.82	3.83	1.10	1.21	0.722	1.18	---	---	30
31	---		0.2408		8.74		1.07	1.10		1.02 B		---	31
TOTAL	---	---	---	53.358	284.12	278.22	66.88	28.728	34.444	38.688	---	---	TOTAL
MEAN	---	---	---	1.78	9.49	9.01	2.13	0.927	1.15	1.18	---	---	MEAN
MAX	---	---	---	5.30	18.3	15.4	3.84	1.78	1.93	2.80	---	---	MAX
MIN	---	---	---	0.220	5.21	3.83	1.07	0.841	0.722	0.842	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.88
MAXIMUM DAILY, 18.3 ON MAY 7
MINIMUM DAILY, 0.2208 ON APR 5
MAXIMUM INSTANTANEOUS,
21.2 AT 21:20 MST ON MAY 8

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 50 15 N
LONG 114 25 05 W
DRAINAGE AREA, 217 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	6 700
FEB	---	AUG	3 480
MAR	---	SEP	3 880
APR	4 810	OCT	3 100
MAY	25 400	NOV	---
JUN	23 300	DEC	---

TOTAL DISCHARGE, 87 600 dam³

RAM RIVER NEAR THE MOUTH - STATION NO. 08DC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.108	3.408	2.908	3.908	25.3	22.7	24.8	21.3	48.5	17.2	8.12	4.548	1
2	3.988	3.388	2.498	2.938	26.8	26.1	22.0	38.2	48.2	16.0	8.42	4.808	2
3	3.888	3.388	2.898	2.988	24.2	23.3	20.4	54.9	53.3	15.5	10.1	5.018	3
4	3.778	3.338	2.748	3.018	26.5	22.2	19.4	50.0	48.8	15.1	10.1	5.088	4
5	3.888	3.308	2.828	3.178	29.2	26.0	19.8	40.8	50.1	15.0	9.23	4.758	5
6	3.588	3.288	2.878	3.308	41.2	32.0	18.1	38.8	48.3	15.3	8.85	4.538	6
7	3.488	3.288	2.888	3.418	52.8	28.9	17.1	32.9	48.0	14.8	8.07	4.188	7
8	3.438	3.208	2.888	3.488	46.7	25.1	17.4	30.1	56.8	14.0	8.31	4.288	8
9	3.308	3.178	2.888	3.508	50.8	23.4	17.9	28.9	56.8	13.4	8.40	4.358	9
10	3.308	3.158	2.848	3.528	48.9	28.4	21.8	36.2	52.8	14.1	8.93	4.448	10
11	3.288	3.108	2.838	4.248	44.2	28.5	83.8	28.8	48.1	14.8	9.30	4.588	11
12	3.208	3.088	2.828	4.518	33.3	27.8	85.8	28.7	44.8	14.2	8.04	4.808	12
13	3.138	3.038	2.808	4.888	27.8	27.0	48.8	28.8	41.5	14.0	8.348	5.038	13
14	3.088	3.008	2.788	4.878	24.8	27.0	40.3	25.1	38.7	13.8	8.11	5.248	14
15	2.888	2.988	2.778	5.388	22.7	28.8	38.8	23.4	38.1	12.7	8.418	5.438	15
16	2.828	2.858	2.788	5.548	22.4	31.4	48.3	40.3	36.1	11.8	8.048	5.588	16
17	2.828	2.838	2.788	5.278	23.4	38.8	38.8	88.0	33.4	10.8	7.17	5.708	17
18	2.778	2.908	2.748	4.888	22.7	28.8	34.0	70.8	31.8	12.4	8.10	5.858	18
19	2.708	2.858	2.738	7.898	20.6	27.8	29.8	85.7	28.3	12.8	8.38	6.058	19
20	2.648	2.828	2.728	11.2 B	18.8	26.3	27.1	81.0	27.2	12.0	8.17	8.208	20
21	2.578	2.808	2.708	18.1 B	17.0	24.4	28.2	62.7	25.4	11.8	7.88	8.378	21
22	2.478	2.758	2.708	13.5 B	15.8	22.8	24.2	45.8	24.1	11.8	8.058	8.508	22
23	2.428	2.728	2.728	7.718	15.1	23.0	21.3	40.4	23.1	11.3	8.758	8.608	23
24	2.858	2.888	2.738	9.188	15.5	22.8	19.8	37.8	22.0	11.5	8.488	8.508	24
25	2.838	2.858	2.748	8.18	15.8	24.2	18.8	35.8	20.9	11.3	8.008	8.378	25
26	3.188	2.828	2.788	8.22	18.1	23.8	17.8	38.1	19.9	10.8	4.888	8.258	26
27	3.228	2.808	2.768	7.77	14.9	31.7	18.5	38.4	19.2	10.6	3.858	8.108	27
28	3.288	2.878	2.778	8.04	14.4	28.2	18.3	35.4	18.5	10.3	4.058	8.008	28
29	3.428		2.768	10.9	13.7	25.3	17.1	36.0	17.8	9.10	4.228	8.808	29
30	3.488		2.828	18.9	13.8	24.9	17.8	37.8	17.5	8.84	4.388	8.608	30
31	3.438		2.858		15.9		21.8	48.2		9.10		9.728	31
TOTAL	98.87	83.83	85.58	197.08	801.2	783.0	852.1	1 288.4	1 078.8	395.84	217.77	188.48	TOTAL
MEAN	3.19	2.99	2.76	8.57	25.8	26.4	27.5	40.9	36.0	12.8	7.26	8.43	MEAN
MAX	4.10	3.40	2.86	18.9	52.8	35.5	85.8	88.0	56.8	17.2	10.1	9.80	MAX
MIN	2.42	2.87	2.48	2.90	13.7	22.2	16.3	21.3	17.8	8.10	3.86	4.18	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 19.8
MAXIMUM DAILY, 88.0 ON AUG 17
MINIMUM DAILY, 2.428 ON JAN 23
MAXIMUM INSTANTANEOUS,
107 AT 23:37 MST ON AUG 16

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 21 55 N
LONG 118 25 33 W
DRAINAGE AREA, 1 880 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	6 540	JUL	73 000
FEB	7 240	AUG	110 000
MAR	7 380	SEP	83 200
APR	17 000	OCT	34 300
MAY	69 200	NOV	18 800
JUN	68 500	DEC	14 800

TOTAL DISCHARGE, 522 000 dam³

RAT CREEK NEAR CYNTHIA - STATION NO. 07BA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1188	0.1258	2.84	2.45	10.2	4.03	15.7	2.84	3.058	---	1
2	---	---	0.1188	0.1288	3.20	2.12	9.18	4.14A	14.7	2.87	---	---	2
3	---	---	0.1108	0.1408	4.81	1.78	8.18	---	14.8	2.73	---	---	3
4	---	---	0.0838	0.2118	5.88	1.84	8.03	---	15.5	2.88	---	---	4
5	---	---	0.0868	0.3288	5.74	1.85	8.24	---	14.2	2.82	---	---	5
6	---	---	0.0858	0.4148	5.24	1.48	7.75	---	13.3	2.81	---	---	6
7	---	---	0.1048	0.3228	4.65	1.40	7.23	---	12.2	2.81	---	---	7
8	---	---	0.1008	0.2788	4.19	1.38	6.89	---	11.0	2.88	---	---	8
9	---	---	0.0988	0.4288	3.81	1.49	13.0	---	10.0	2.48	---	---	9
10	---	---	0.0828	0.4898	3.20	3.48	18.8	---	9.12	2.83	---	---	10
11	---	---	0.0828	0.3498	2.88	7.78	17.8	---	8.32	3.33	---	---	11
12	---	---	0.0788	0.4518	2.81	8.88	17.4	---	7.83	3.71	---	---	12
13	---	---	0.0888	0.8138	2.41	7.33	14.5	---	8.88	3.48	---	---	13
14	---	---	0.0968	1.46 B	2.18	5.84	11.8	---	8.33	3.33	---	---	14
15	---	---	0.0998	1.83 B	1.83	5.52	9.41	---	8.82	3.24	---	---	15
16	---	---	0.0938	2.57 B	1.78	7.08	8.75	---	8.55	3.17	---	---	16
17	---	---	0.0858	4.52 B	1.88	8.27	8.73	---	8.12	3.04	---	---	17
18	---	---	0.0838	4.81 B	1.88	8.21	8.73	---	8.32	3.04A	---	---	18
19	---	---	0.0858	4.71 B	1.98	4.43	7.14	---	8.87	3.00E	---	---	19
20	---	---	0.0848	4.80 B	8.14	4.08	8.85	---	8.40	2.98E	---	---	20
21	---	---	0.0888	5.00 B	7.70	3.80	8.01	---	8.07	2.92E	---	---	21
22	---	---	0.0868	5.40 B	7.38	3.88	8.78	---	4.74E	2.88E	---	---	22
23	---	---	0.0878	5.85 B	8.30	3.27	7.88	---	4.41E	2.85E	---	---	23
24	---	---	0.0838	6.13 B	8.80	2.83	7.48	---	4.08E	2.88E	---	---	24
25	---	---	0.1028	5.83	8.23	2.86	7.44	---	3.74A	2.92E	---	---	25
26	---	---	0.1028	5.20	4.78	3.28	7.80	---	3.81	2.98E	---	---	26
27	---	---	0.1048	4.60	4.40	3.80	8.88	---	3.47	3.00B	---	---	27
28	---	0.1188	0.1188	3.88	4.14	11.3	8.84	14.1 A	3.30	3.01B	---	---	28
29	---		0.1128	3.57	3.88	13.5	8.50	13.2	3.17	3.02B	---	---	29
30	---		0.1188	3.24	3.08	12.2	8.13	12.8	3.08	3.03B	---	---	30
31	---		0.1208		2.73		4.88	14.3		3.04B		---	31
TOTAL	---	---	3.020	77.881	122.74	141.41	279.80	---	233.31	91.83	---	---	TOTAL
MEAN	---	---	0.087	2.59	3.88	4.71	9.02	---	7.78	2.88	---	---	MEAN
MAX	---	---	0.120	8.13	7.70	13.5	17.8	---	18.7	3.71	---	---	MAX
MIN	---	---	0.078	0.125	1.88	1.38	4.88	---	3.08	2.48	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 08 17 N
LONG 118 28 17 W
DRAINAGE AREA, 808 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	24 200
FEB	---	AUG	---
MAR	261	SEP	20 200
APR	8 710	OCT	7 910
MAY	10 800	NOV	---
JUN	13 200	DEC	---

RAVEN RIVER NEAR RAVEN - STATION NO. 05CH004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.08 B	0.720B	0.930B	1.42B	3.40	1.68	2.88	1.34	2.90	1.86	1.88B	1.20 B	1
2	1.06 B	0.770B	0.840B	1.45B	3.26	1.80	2.35	1.89	3.04	1.80	1.94B	1.20 B	2
3	1.05 B	0.870B	0.880B	1.49B	3.07	1.86	2.03	3.02	4.02	1.82	2.18	1.25 B	3
4	1.05 B	0.950B	0.880B	1.88B	2.85	1.47	1.80	4.61	4.77	1.81	2.20	1.33 B	4
5	1.04 B	1.02 B	1.00 B	2.38B	2.58	1.42	1.82	4.57	4.43	1.86	2.25	1.30 B	5
6	1.04 B	1.04 B	1.07 B	2.62B	2.38	1.35	1.88	3.81	3.84	2.04	2.28	1.20 B	6
7	1.03 B	1.00 B	1.15 B	3.80B	2.32	1.43	1.67	3.10	3.32	1.95	2.23	1.06 B	7
8	1.03 B	1.00 B	1.22 B	5.18B	2.72	1.45	1.58	2.85	3.32	1.81	1.80B	1.00 B	8
9	1.03 B	0.980B	1.27 B	5.18B	2.26	1.84	1.48	2.31	3.40	1.86	1.83B	0.980B	9
10	1.02 B	0.960B	1.33 B	5.98B	2.02	1.73	1.89	2.13	3.41	1.88	1.91	0.930B	10
11	1.01 B	0.930B	1.30 B	8.30B	1.95	1.82	2.52	1.94	3.23	2.04	1.94	0.870B	11
12	1.00 B	0.900B	1.23 B	11.2 B	2.01	1.68	3.01	1.80	3.13	2.12	1.80B	1.12 B	12
13	1.00 B	0.900B	1.17 B	13.0 B	1.91	1.52	2.81	1.68	2.81	2.17	1.83B	1.26 B	13
14	0.980B	0.900B	1.12 B	12.6 B	1.83	1.36	2.37	1.83	2.73	2.43	1.88B	1.50 B	14
15	0.980B	0.910B	1.10 B	9.47B	1.78	1.33	2.07	1.84	2.44	2.48	1.88B	1.83 B	15
16	0.970B	0.910B	1.10 B	5.44B	1.69	1.87	1.87	1.81	2.30	2.37	1.70B	1.87 B	16
17	0.980B	0.920B	1.10 B	4.47B	1.85	2.70	1.78	4.11	2.26	2.23	1.72B	1.33 B	17
18	0.960B	0.920B	1.12 B	4.15B	1.85	2.86	1.68	5.88	2.28	2.12	1.73B	1.10 B	18
19	0.940B	0.930B	1.13 B	3.98B	1.86	2.83	1.69	4.85	2.28	2.06	1.74B	0.880B	19
20	0.920B	0.940B	1.14 B	3.93B	2.37	2.08	1.58	4.09	2.25	1.98	1.76B	0.970B	20
21	0.900B	0.940B	1.20 B	3.93B	2.08	2.04	1.51	3.46	2.17	1.98	1.70B	1.06 B	21
22	0.900B	0.950B	1.26 B	4.76	1.90	1.95	1.49	3.58	2.09	1.88	1.84B	1.80 B	22
23	0.880B	0.951B	1.30 B	6.53	1.83	1.85	1.50	3.81	2.03	1.82	1.67B	1.72 B	23
24	0.880B	0.940B	1.32 B	7.88	2.02	1.76	1.40	3.26	2.01	2.15	1.80B	1.89 B	24
25	0.830B	0.940B	1.33 B	8.01	2.08	2.00	1.30	2.80	1.95	4.87	1.44B	1.72 B	25
26	0.890B	0.920B	1.35 B	5.20	2.04	1.98	1.28	2.48	1.98	4.73	1.38B	1.75 B	26
27	0.850B	0.920B	1.37 B	4.55	2.00	3.70	1.18	2.34	1.82	3.68	1.33B	1.68 B	27
28	1.00 B	0.920B	1.38 B	4.20	1.88	4.67	1.18	2.33	1.87	3.10	1.28B	1.83 B	28
29	1.06 B		1.44 B	3.82	1.81	3.83	1.20	2.58	1.87	2.70	1.23B	1.88 B	29
30	1.11 B		1.42 B	3.67	1.77	3.27	1.30	2.74	1.84	2.82	1.23B	1.46 B	30
31	0.980B		1.45 B		1.70		1.36	2.85		2.84B		1.37 B	31
TOTAL	30.330	25.981	37.210	182.42	68.81	62.23	55.20	80.71	81.84	72.34	51.86	41.030	TOTAL
MEAN	0.978	0.927	1.20	5.41	2.18	2.07	1.78	2.93	2.73	2.33	1.73	1.32	MEAN
MAX	1.11	1.04	1.45	13.0	3.40	4.67	3.01	5.88	4.77	4.73	2.25	1.75	MAX
MIN	0.800	0.720	0.830	1.42	1.69	1.33	1.18	1.34	1.87	1.80	1.22	0.800	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.13
MAXIMUM DAILY, 13.0B ON APR 13
MINIMUM DAILY, 0.720B ON FEB 1

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 05 20 N
LONG 114 28 35 W
DRAINAGE AREA, 847 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 820	JUL	4 770
FEB	2 340	AUG	7 640
MAR	3 210	SEP	7 070
APR	14 000	OCT	6 230
MAY	6 770	NOV	4 480
JUN	5 380	DEC	3 540

TOTAL DISCHARGE, 67 200 dam³

RAY CREEK NEAR INNISFAIL - STATION NO. 05CE010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.008B	0.005	0.015	0.018	0	0.006	0	0.013B	---	1
2	---	---	0 B	0.015B	0.022	0.014	0.027	0	0.005	0	0.008B	---	2
3	---	---	0 B	0.214B	0.008	0.008	0.018	0	0.011	0	---	---	3
4	---	---	0 B	0.210B	0.018	0.006	0.007	0	0.087	0	---	---	4
5	---	---	0 B	0.360B	0.008	0.007	0.008	0	0.028	0	---	---	5
6	---	---	0 B	0.821B	0.008	0.008	0.002	0.001	0.015	0.001	---	---	6
7	---	---	0 B	0.480B	0.157	0.006	0.003	0.001	0.022	0.002	---	---	7
8	---	---	0 B	0.432B	0.051	0.008	0.001	0	0.042	0.003	---	---	8
9	---	---	0 B	0.394B	0.003	0.017	0.001	0	0.040	0.003	---	---	9
10	---	---	0 B	0.351B	0.001	0.021	0.002	0	0.031	0.002	---	---	10
11	---	---	0 B	0.670B	0.004	0.023	0.012	0	0.022	0.001	---	---	11
12	---	---	0 B	1.38 B	0.031	0.028	0.008	0	0.017	0.001	---	---	12
13	---	---	0 B	1.26 B	0.008	0.014	0.008	0	0.012	0.002	---	---	13
14	---	---	0 B	0.663B	0.143	0.008	0.011	0	0.010	0.007	---	---	14
15	---	---	0 B	0.588B	0.086	0.006	0.012	0.003	0.008	0.008	---	---	15
16	---	---	0 B	0.361B	0.101	0.006	0.053	0.004	0.007	0.047	---	---	16
17	---	---	0 B	0.188B	0.042	0.021	0.042	0.001	0.006	0.013	---	---	17
18	---	---	0 B	0.058B	0.018	0.013	0.022	0.001	0.005	0.011	---	---	18
19	---	---	0 B	0.058B	0.075	0.008	0.012	0.001	0.003	0.013	---	---	19
20	---	---	0 B	0.017B	0.143	0.012	0.006	0.022	0.001	0.018	---	---	20
21	---	---	0 B	0.006B	0.180	0.034	0.004	0.024	0	0.018	---	---	21
22	---	---	0 B	0.032B	0.183	0.021	0.001	0.006	0	0.017	---	---	22
23	---	---	0 B	0.043B	0.105	0.017	0	0.002	0	0.016	---	---	23
24	---	0B	0 B	0.033B	0.084	0.014	0	0.002	0	0.018	---	---	24
25	---	0B	0 B	0.032B	0.082	0.014	0	0.001	0	0.036	---	---	25
26	---	0B	0 B	0.021B	0.056	0.014	0	0.001	0	0.036	---	---	26
27	---	0B	0 B	0.011B	0.046	0.017	0	0.002	0	0.032	---	---	27
28	---	0B	0 B	0.007B	0.038	0.031	0	0.008	0	0.026	---	---	28
29	---		0 B	0.008B	0.030	0.088	0	0.010	0	0.027	---	---	29
30	---		0.002B	0.008B	0.020	0.026	0	0.007	0	0.027	---	---	30
31	---		0.008B		0.017		0	0.008		0.022B		---	31
TOTAL	---	---	0.010	8.898	1.726	0.807	0.274	0.198	0.348	0.406	---	---	TOTAL
MEAN	---	---	0	0.290	0.056	0.017	0.008	0.003	0.012	0.013	---	---	MEAN
MAX	---	---	0.008	1.38	0.183	0.088	0.053	0.024	0.087	0.047	---	---	MAX
MIN	---	---	0	0.008	0.001	0.008	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.048
MAXIMUM DAILY, 1.38B ON APR 13
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.30B AT 11:14 MST ON APR 13

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 00 03 N
LONG 113 35 55 W
DRAINAGE AREA, 42.5 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	23.7
FEB	---	AUG	8.18
MAR	0.88	SEP	28.8
APR	761	OCT	35.1
MAY	149	NOV	---
JUN	43.8	DEC	---

TOTAL DISCHARGE, 1 040 dam³

RED DEER RIVER ABOVE PANTHER RIVER - STATION NO. 05CA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	2.73	8.15	15.0	22.5	33.1	22.1	9.48	4.38B	---	1
2	---	---	---	2.87	6.39	21.6	18.9	28.1	21.2	8.86	---	---	2
3	---	---	---	2.85	5.47	20.7	18.7	26.1	21.7	8.45	---	---	3
4	---	---	---	2.83	5.44	20.9	18.1	25.0	20.5	8.28	---	---	4
5	---	---	---	2.86	6.86	27.9	18.1	22.8	20.2	8.09	---	---	5
6	---	---	---	2.87	11.5	35.7	16.8	21.8	19.3	7.89	---	---	6
7	---	---	---	2.86	16.3	34.2	15.9	21.6	19.2	7.78	---	---	7
8	---	---	---	2.85	17.2	30.3	17.8	23.9	18.5	7.55	---	---	8
9	---	---	---	2.61	20.2	30.2	18.9	26.0	18.2	7.42	---	---	9
10	---	---	---	2.51	21.6	34.8	17.8	28.5	17.4	7.62	---	---	10
11	---	---	---	2.51	18.0	34.0	28.2	25.3	16.6	7.73	---	---	11
12	---	---	---	2.56	13.3	36.5	27.6	23.6	15.7	7.58	---	---	12
13	---	---	---	2.65	11.1	36.5	25.3	24.7	15.0	7.46	---	---	13
14	---	---	---	2.78	9.87	37.6	24.6	23.9	14.5	7.38	---	---	14
15	---	---	---	3.31	8.93	37.5	25.4	22.9	14.0	6.83	---	---	15
16	---	---	---	3.11	8.15	37.1	28.1	28.5	13.7	6.48	---	---	16
17	---	---	---	2.75	8.42	31.4	24.7	33.2	13.6	6.18	---	---	17
18	---	---	---	2.84	9.35	26.9	22.3	33.7	13.3	5.80	---	---	18
19	---	---	---	2.72	8.27	22.3	21.3	37.1	12.8	5.58	---	---	19
20	---	---	---	2.98	7.41	20.0	22.8	40.7	12.1	5.43	---	---	20
21	---	---	---	3.39	6.82	17.3	27.9	38.9	11.8	5.37	---	---	21
22	---	---	---	3.75	6.58	16.1	26.7	33.6	11.2	5.28	---	---	22
23	---	---	---	3.11	6.76	16.3	21.9	29.6	11.0	5.24	---	---	23
24	---	---	---	2.61	7.21	17.5	20.1	27.2	10.9	5.24	---	---	24
25	---	---	---	2.85	6.32	16.2	19.7	26.2	10.7	5.16	---	---	25
26	---	---	---	2.58	6.80	16.2	19.4	24.4	10.5	5.08	---	---	26
27	---	---	---	2.56	6.99	16.1	18.9	23.9	10.5	5.03	---	---	27
28	---	---	2.85A	2.80	5.71	17.8	26.8	24.3	10.2	5.88	---	---	28
29	---		2.78	3.25	6.44	15.9	26.4	23.0	10.2	5.33B	---	---	29
30	---		2.78	4.47	6.90	16.5	23.3	22.6	10.0	4.80B	---	---	30
31	---		2.84		6.38		23.4	22.9		4.42B		---	31
TOTAL	---	---	---	85.28	288.05	784.0	675.3	832.6	447.4	214.54	---	---	TOTAL
MEAN	---	---	---	2.84	9.61	25.5	21.8	26.9	14.9	6.92	---	---	MEAN
MAX	---	---	---	4.47	21.6	37.6	28.1	40.7	22.1	9.48	---	---	MAX
MIN	---	---	---	2.51	5.44	15.0	15.6	21.6	10.0	4.42	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 15.5
MAXIMUM DAILY, 40.7 ON AUG 20
MINIMUM DAILY, 2.51 ON APR 10
MAXIMUM INSTANTANEOUS,
44.2 AT 06:10 MST ON AUG 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 39 33 N
LONG 115 24 23 W
DRAINAGE AREA, 941 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	58 300
FEB	---	AUG	72 000
MAR	---	SEP	38 700
APR	7 370	OCT	18 500
MAY	25 600	NOV	---
JUN	68 000	DEC	---

TOTAL DISCHARGE, 287 000 dam³

RED DEER RIVER AT DRUMHELLER - STATION NO. 05CE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	16.2B	14.0B	14.4B	49.5B	81.7	38.2	84.3	45.0	88.2	32.0	49.8A	19.7B	1
2	17.7B	13.0B	13.9B	53.5B	80.7	35.6	88.5	52.2	80.4	27.4	41.4A	19.2B	2
3	16.0B	12.8B	11.8B	58.0B	88.8	33.7	80.7	52.0	98.5	26.1	38.7A	21.4B	3
4	14.8B	13.0B	12.8B	74.5B	78.9	32.7	84.6	46.7	93.5	28.2	36.3A	19.8B	4
5	16.5B	13.5B	14.1B	83.4B	81.0	39.8	84.7	67.3	90.1	28.2	33.1A	20.8B	5
6	17.8B	14.0B	14.8B	84.0B	78.9	38.5	84.4	68.0	82.5	26.1	32.8A	22.0B	6
7	16.5B	14.9B	15.8B	82.0B	78.6	32.9	49.0	68.1	81.9	26.2	29.1A	23.0B	7
8	15.0B	14.4B	16.2B	82.0B	74.6	28.9	38.7	100	83.6	26.3	31.9A	19.8B	8
9	14.0B	15.0B	16.3B	67.0B	73.0	40.1	37.5	86.8	71.7	25.1	31.4A	17.8B	9
10	14.8B	15.3B	16.3B	64.0B	71.7	68.0	38.3	82.3	64.4	24.7	31.6A	15.3B	10
11	16.0B	15.4B	16.0B	69.0B	75.6	54.7	41.7	78.4	63.4	24.0	32.8A	14.8B	11
12	17.0B	15.2B	15.5B	77.5B	76.7	63.7	46.2	67.6	63.7	24.7	30.8A	14.2B	12
13	18.0B	15.3B	16.0B	88.3B	76.5	62.6	64.8	60.6	61.4	25.1	23.9A	16.0B	13
14	18.0B	16.9B	14.4B	131 B	76.7	62.5	88.8	60.4	56.7	25.2	24.9A	16.0B	14
15	16.0B	14.7B	16.8B	241	76.8	71.0	83.8	57.6	64.7	34.6	15.5A	16.0B	15
16	17.5B	14.0B	15.5B	202	70.9	73.8	77.2	88.0	49.2	38.0	19.3A	16.5B	16
17	17.4B	13.5B	14.7B	200	52.8	75.1	78.7	53.2	44.7	35.4	15.3A	17.5B	17
18	16.0B	13.0B	14.0B	178	47.0	80.8	70.0	58.9	43.9	36.2	19.3A	16.5B	18
19	16.0B	13.5B	14.5B	138	43.3	81.2	68.0	68.9	43.1	36.5	24.0B	15.5B	19
20	16.0B	14.0B	14.3B	105	45.6	82.2	63.5	98.6	38.2	33.0	28.7B	15.0B	20
21	17.5B	14.4B	15.1B	87.2	46.3	78.4	88.2	105	36.5	29.4	28.1B	14.8B	21
22	17.8B	15.0B	16.8B	74.4	49.6	84.0	50.0	105	37.8	27.9	26.9B	15.5B	22
23	17.0B	15.8B	17.6B	88.6	78.4	86.2	42.2	104	37.8	26.3A	22.1B	16.8B	23
24	16.7B	16.4B	17.9B	86.9	78.1	86.3	40.4	102	37.5	25.8A	18.7B	17.8B	24
25	15.7B	16.2B	16.7B	66.9	73.6	80.7	39.0	98.8	34.1	28.8A	18.1B	16.8B	25
26	15.5B	15.7B	20.2B	66.6	81.9	46.2	37.9	84.3	33.1	27.0A	21.0B	19.8B	26
27	14.3B	16.4B	23.5B	67.6	53.2	66.0	37.4	84.3	33.1	28.2A	22.4B	19.0B	27
28	14.8B	15.9B	28.7B	66.6	47.8	61.6	42.2	88.3	33.0	52.9A	22.1B	18.5B	28
29	17.5B		36.0B	63.5	46.8	72.4	41.2	81.7	32.8	48.4A	20.2B	18.8B	29
30	16.8B		38.6B	63.4	42.5	76.9	38.1	81.6	32.7	64.4A	22.8B	18.8B	30
31	16.2B		43.1B		40.8		36.7	80.0		62.7A		16.8B	31
TOTAL	517.2	410.7	560.6	2 693.8	1 986.6	1 896.5	1 702.8	2 474.1	1 736.8	970.6	807.6	558.3	TOTAL
MEAN	16.7	14.7	18.1	89.8	64.1	56.6	54.9	79.8	57.9	31.3	26.9	18.0	MEAN
MAX	18.5	16.7	43.1	241	81.0	82.2	88.8	105	98.5	64.4	49.8	23.0	MAX
MIN	14.0	12.5	11.8	49.5	40.5	28.9	36.7	45.0	32.7	24.0	15.3	14.2	MIN

SUMMARY FOR THE YEAR 1989

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 64.2
MAXIMUM DAILY, 241 ON APR 15
MINIMUM DAILY, 11.8B ON MAR 3
MAXIMUM INSTANTANEOUS,
280 AT 08:26 MST ON APR 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 28 08 N
LONG 112 42 30 W
DRAINAGE AREA, 24 800 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1983

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	44 700	JUL	147 000
FEB	35 500	AUG	214 000
MAR	48 300	SEP	150 000
APR	233 000	OCT	83 900
MAY	172 000	NOV	69 800
JUN	147 000	DEC	48 200

TOTAL DISCHARGE, 1 390 000 dam³

RED DEER RIVER AT RED DEER - STATION NO. 05CC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	16.4B	11.9B	13.4B	18.4B	87.6	31.7	86.6	61.6	82.5	24.7	35.5	23.4B	1
2	16.0B	14.2B	13.8B	18.3B	71.1	31.6	80.0	65.4	81.7	24.4	33.4A	24.0B	2
3	16.0B	14.0B	13.2B	18.8B	76.3	40.1	88.2	80.1	82.5	24.5	32.3A	24.8B	3
4	16.6B	14.6B	13.8B	19.0B	76.3	38.6	87.6	73.4	81.3	24.6	32.6	24.0B	4
5	16.1B	15.2B	14.3B	22.7B	73.5	32.0	84.6	61.9	82.5	25.2	31.7	23.5B	5
6	17.0B	15.4B	14.4B	26.0B	72.5	28.6	40.6	73.6	81.1	25.1	30.6	23.0B	6
7	16.4B	15.8B	14.4B	33.5B	71.1	36.7	38.7	77.7	78.2	25.2	30.9	22.5B	7
8	16.3B	16.0B	14.0B	37.2B	70.4	87.6	38.0	78.8	85.3	24.0	30.0	21.8B	8
9	16.3B	16.4B	15.8B	43.4B	71.2	86.6	38.7	78.6	85.3	23.7	29.7	21.5B	9
10	16.8B	17.1B	16.0B	48.8B	78.3	87.8	38.6	89.6	85.6	24.1	29.6	21.7B	10
11	16.9B	17.2B	14.7B	52.4	74.6	88.0	70.3	89.2	85.0	23.9	28.5	22.2B	11
12	17.3B	17.8B	15.6B	52.1	74.2	82.2	85.8	88.3	88.4	24.6	28.1	21.2B	12
13	17.6B	16.1B	17.6B	86.3	74.6	77.2	82.5	88.7	87.0	34.0	24.7B	21.5B	13
14	17.6B	17.1B	17.8B	101	74.3	77.7	76.2	84.4	80.1	34.6	25.0B	18.2B	14
15	16.4B	16.5B	17.2B	101	84.7	78.4	78.2	47.7	44.7	33.8	26.0B	16.4B	15
16	16.9B	15.7B	15.9B	105	45.5	84.1	75.3	84.1	44.1	34.4	28.0B	18.2B	16
17	16.6B	13.6B	15.3B	100	38.8A	89.4	70.7	88.5	43.2	34.3	28.6	18.0B	17
18	16.5B	14.8B	15.0B	84.9	39.1E	89.1	88.0	89.7	38.6	30.0	28.1	16.8B	18
19	15.7B	14.9B	14.4B	71.3	40.8A	89.5	81.2	87.6	38.6	28.7	29.1	16.4B	19
20	16.8B	15.1B	16.0B	59.6	38.7	78.7	80.7	106	35.7	26.4	24.6	16.2B	20
21	15.6B	15.5B	16.6B	53.7	38.6	82.5	40.4	108	36.7	28.1	24.5B	16.1B	21
22	15.2B	16.0B	17.1B	51.4	45.5	81.5	39.5	104	36.3	25.9	24.0B	16.0B	22
23	14.8B	15.8B	17.8B	51.6	58.1	87.2	38.2	100	33.7	25.9	23.7B	15.0B	23
24	13.8B	15.6B	16.0B	52.1	51.1	47.1	38.5	98.7	33.4	25.9	23.4B	20.0B	24
25	13.6B	15.3B	15.1B	53.6	44.6	47.8	38.3	87.2	33.3	26.6	23.2B	19.8B	25
26	15.9B	14.4B	15.3B	53.7	39.7	90.5	38.1	86.6	33.2	28.3	22.9B	19.2B	26
27	15.8B	15.4B	15.8B	52.7	38.2	72.0	38.6	85.6	33.1	34.6	23.4B	18.8B	27
28	16.0B	13.3B	14.7B	55.5	37.3	84.1	37.4	83.7	32.9	47.6	24.0B	18.3B	28
29	15.8B		15.3B	55.4	36.2	85.6	36.6	82.7	32.4	61.6	24.0B	18.1B	29
30	16.9B		15.1B	54.5	36.3	79.7	46.3	82.4	28.2	46.3	23.2B	18.3B	30
31	10.8B		14.8B		33.1		84.0	82.8		40.4		16.4B	31
TOTAL	504.7	431.8	503.6	1 843.7	1 730.8	1 868.6	1 863.6	2 453.4	1 639.6	929.3	810.3	628.8	TOTAL
MEAN	16.3	15.4	16.3	84.8	55.8	61.9	83.7	79.1	54.7	30.0	27.0	20.3	MEAN
MAX	19.0	18.1	19.3	105	76.3	89.5	85.8	108	82.8	61.6	35.5	24.8	MAX
MIN	10.6	11.9	13.2	18.3	33.1	28.6	38.6	45.4	28.2	23.7	23.2	16.4	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 49.6
MAXIMUM DAILY, 108 ON AUG 20
MINIMUM DAILY, 10.8B ON JAN 31
MAXIMUM INSTANTANEOUS,
112 AT 00:34 MST ON APR 14

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 16 36 N
LONG 113 48 57 W
DRAINAGE AREA, 11 800 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1983

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	43 500	JUL	144 000
FEB	37 300	AUG	212 000
MAR	43 500	SEP	142 000
APR	162 000	OCT	80 300
MAY	150 000	NOV	70 000
JUN	160 000	DEC	54 300

TOTAL DISCHARGE, 1 260 000 dam³

RED DEER RIVER BELOW BURNT TIMBER CREEK - STATION NO. 05CA008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.25B	2.80B	4.10B	4.84B	22.4	28.3	39.9	34.2	47.1	18.0	9.98	8.78B	1
2	5.02B	2.83B	4.18B	4.81B	24.0	40.1A	36.2	38.7	46.7	18.0	11.4	8.04B	2
3	5.37B	3.06B	4.46B	4.86B	18.0	38.8	31.4	36.8	49.8A	17.7	11.8	8.67B	3
4	5.83B	3.20B	5.78B	5.00B	18.0	36.0	30.1	37.4	47.0E	17.5	11.5	8.30B	4
5	5.63B	3.35B	5.23B	4.94B	22.0	80.9	38.9	35.9	46.0E	17.3	10.4	7.73B	5
6	5.80B	3.52B	6.40B	5.06B	33.6	83.6	28.5	33.8	46.0E	17.2	10.8	8.84B	6
7	5.06B	5.84B	6.60B	5.18B	45.4	80.1	26.3	33.0	42.0A	16.8	10.6	8.58B	7
8	4.82B	6.35B	6.38B	5.16B	42.8	83.1	28.9	36.6	42.2	16.0	10.7	8.76B	8
9	6.52B	6.83B	6.70B	5.36B	44.8	82.7	29.7	38.2	39.8	15.8	11.0	8.00B	9
10	6.86B	6.88B	6.94B	5.26B	48.7	83.9	31.3	45.6	38.0	15.6	11.8	4.10B	10
11	6.58B	5.36B	3.80B	5.23B	41.2	80.8	44.9	38.1	38.4	16.2	11.6	4.80B	11
12	6.76B	5.38B	4.30B	5.63B	29.6	81.2	48.0	38.0	34.7	15.7	9.00B	4.80B	12
13	6.66B	5.77B	4.20B	5.80B	24.1	81.6	42.4	38.6	33.3	15.4	7.40B	5.20B	13
14	6.60B	5.38B	3.90B	6.17B	20.7	86.3	38.9	38.6	32.1	15.0	7.05B	5.60B	14
15	6.19B	4.67B	3.85B	7.46B	18.9	83.3	40.2	33.9	31.0	14.2	7.80B	5.65B	15
16	6.91B	3.90B	3.40B	7.08B	18.8	85.2	43.3	48.0	28.9	13.7	11.5	5.20B	16
17	7.10B	4.24B	3.20B	8.36B	18.2	81.3	39.6	71.3	29.6	12.8	11.1	4.60B	17
18	6.78B	5.28B	3.35B	8.20B	18.4	82.1	36.3	69.8	26.7	14.2	12.2	3.60B	18
19	6.68B	6.02B	3.55B	8.47B	18.8	83.4	34.2	76.2	27.3	13.8	11.8	3.38B	19
20	6.84B	6.76B	3.88B	7.21B	18.0	36.9	34.8	80.8	26.7	13 4	10.8	3.20B	20
21	6.84B	7.01B	3.98B	8.27B	14.3	38.0	41.4	88.3	24.4	13.3	10.4	3.00B	21
22	4.70B	6.59B	4.00B	9.29B	13.7	32.7	38.3	81.1	23.2	13.1	8.93B	4.40B	22
23	4.21B	7.27B	4.20B	7.76B	13.7	33.4	34.4	84.4	22.4	12.6	9.19B	6.80B	23
24	3.30B	6.60B	4.25B	7.14B	14.4	33.6	32.4	49.7	21.8	12.7	10.1 B	8.95B	24
25	3.84B	4.60B	4.06B	8.81B	14.2	36.4	31.3	47.1	21.6	12.8	9.76B	7.05B	25
26	5.82B	3.85B	3.85B	8.81B	14.0	36.3	30.8	44.8	21.1	12.3	8.46B	7.20B	26
27	6.83B	6.67B	4.90B	7.37B	14.8	36.6	30.7	46.0	20.7	12.2	8.23B	7.60B	27
28	6.93B	6.14B	4.79B	7.63	14.4	38.2	30.8	48.3	20.1	12.0	8.89B	8.40B	28
29	6.61B		4.70B	8.85	13.8	32.4	40.0	44.3	19.8	10.7	8.82B	8.80B	29
30	6.12B		4.40B	10.2	14.7	34.2	38.4	48.8	19.6	11.5	8.67B	8.80B	30
31	4.97B		4.70B		17.8		34.8	48.6		10.8		8.40B	31
TOTAL	162.25	141.87	139.78	201.32	701.4	1 411.7	1 108.9	1 488.7	988.1	449.0	300.38	183.82	TOTAL
MEAN	5.88	5.07	4.51	6.71	22.8	47.1	35.8	47.0	32.2	14.5	10.0	5.92	MEAN
MAX	7.10	7.27	6.70	10.2	48.7	86.3	48.0	80.8	49.8	19.0	12.2	9.67	MAX
MIN	3.30	2.80	3.20	4.81	13.7	28.3	26.3	33.0	19.8	10.8	7.05	3.00	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 19.8
MAXIMUM DAILY, 80.8 ON AUG 20
MINIMUM DAILY, 2.80B ON FEB 1
MAXIMUM INSTANTANEOUS,
86.3 AT 05:44 MST ON AUG 20

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 39 02 N
LONG 115 01 00 W
DRAINAGE AREA, 2 250 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	15 700	JUL	85 800
FEB	12 300	AUG	125 000
MAR	12 100	SEP	83 500
APR	17 400	OCT	38 800
MAY	80 800	NOV	26 000
JUN	122 000	DEC	15 900

TOTAL DISCHARGE, 828 000 dam³

RED DEER RIVER NEAR BINDLOSS - STATION NO. 05CK004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	11.88	13.28	12.68	19.48	72.5	58.9	78.5	51.2	107	38.5	42.4	18.18	1
2	12.48	12.48	13.08	22.78	70.0	52.8	74.6	50.3	88.4	38.5	47.7	18.38	2
3	12.88	13.28	13.58	32.08	68.6	50.3	64.0	48.2	86.8	40.1	52.1	18.48	3
4	13.48	13.88	13.78	53.88	66.2	48.2	90.0	46.6	88.7	38.8	48.8	18.88	4
5	13.88	13.88	13.78	91.78	68.4	47.6	83.0	53.4	103	38.1	45.2	18.88	5
6	14.38	12.88	13.48	118 B	88.4	44.8	70.6	58.0	108	38.7	42.7	19.08	6
7	14.88	12.68	13.08	120 B	78.6	42.7	63.1	58.1	88.4	34.8	38.8	19.28	7
8	14.48	11.78	12.78	82.58	63.8	42.1	58.2	51.6	84.4	34.4	36.1	18.88	8
9	13.68	11.88	12.88	80.28	62.8	48.3	58.8	88.6	86.0	33.8	35.8	17.48	9
10	13.88	12.08	12.78	81.18	78.4	47.1	58.6	85.2	85.8	32.6	34.4	16.18	10
11	14.68	12.28	12.68	88.6	76.4	44.8	54.2	108	86.6	31.4	34.8	14.88	11
12	15.28	12.48	12.88	118	73.6	42.8	53.0	87.8	78.2	28.6	34.7	14.58	12
13	15.58	13.38	13.28	132	73.8	44.1	53.0	80.4	73.1	28.9	36.1	14.68	13
14	16.18	13.58	13.38	131	77.4	85.4	55.7	87.8	88.4	26.4	26.88	15.08	14
15	14.18	13.48	13.68	129	78.8	83.2	52.4	81.3	86.8	27.6	17.28	15.78	15
16	13.48	13.48	13.48	180	80.8	81.3	73.7	78.1	87.7	27.6	17.58	15.78	16
17	13.58	13.28	13.58	219	76.8	83.2	101	74.2	83.3	27.4	17.88	16.48	17
18	14.28	13.28	13.58	218	77.2	77.3	98.8	72.1	81.3	27.3	16.88	15.48	18
19	14.58	13.48	13.58	192	78.4	84.1	82.8	70.0	58.0	31.8	16.58	14.88	19
20	14.58	13.48	13.28	187	88.0	88.8	88.8	68.1	84.0	36.6	20.38	13.88	20
21	14.78	13.38	13.58	158	88.2	88.5	83.3	88.0	81.1	34.8	19.88	13.48	21
22	14.88	13.38	13.88	128	84.6	81.3	77.3	80.7	49.8	34.0	18.28	13.88	22
23	14.78	13.48	14.28	107	87.3	88.3	74.0	104	47.4	33.7	18.88	14.38	23
24	14.88	13.88	14.08	88.2	84.1	84.1	70.6	108	45.3	32.0	18.38	15.08	24
25	14.88	14.48	13.88	84.6	87.8	82.8	82.2	108	44.8	28.8	16.08	15.88	25
26	15.08	14.28	13.78	78.6	80.5	71.5	88.0	108	44.2	27.5	17.88	16.88	26
27	14.88	13.78	13.88	75.0	88.0	88.7	81.0	110	44.1	27.2	16.48	17.48	27
28	14.48	13.08	14.88	73.4	88.5	88.8	48.8	108	42.8	27.2	15.08	17.88	28
29	14.28		15.18	72.1	78.0	82.2	47.4	103	40.3	27.3	16.88	17.28	29
30	13.88		15.88	73.8	87.8	78.8	46.8	104	39.8	28.4	16.08	17.08	30
31	13.78		16.58		82.1		47.8	108		30.2		17.48	31
TOTAL	438.7	387.6	424.8	3 280.1	2 288.7	1 931.0	2 111.2	2 880.7	2 131.4	887.8	851.4	511.0	TOTAL
MEAN	14.2	13.1	13.7	108	73.2	84.4	88.1	82.3	71.0	32.2	28.4	16.8	MEAN
MAX	15.8	14.4	16.8	218	88.0	88.2	101	110	107	40.1	52.1	19.2	MAX
MIN	11.8	11.7	12.8	18.4	58.8	42.1	48.8	44.8	39.8	27.2	17.2	13.4	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 46.8
MAXIMUM DAILY, 218 ON APR 17
MINIMUM DAILY, 11.78 ON FEB 8
MAXIMUM INSTANTANEOUS,
234 AT 23:12 MST ON APR 17

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 54 10 N
LONG 110 17 50 W
DRAINAGE AREA, 44 700 km²

B - ICE CONDITIONS

REGULATED SINCE 1968

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	38 000	JUL	182 000
FEB	31 700	AUG	220 000
MAR	38 700	SEP	184 000
APR	281 000	OCT	88 200
MAY	188 000	NOV	73 800
JUN	167 000	DEC	44 200

TOTAL DISCHARGE, 1 840 000 dam³

REDEARTH CREEK NEAR RED EARTH CREEK - STATION NO. 07JC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0548	0.0588	2.07	5.80	1.78	0.708	1.83	3.12	---	---	1
2	---	---	0.0528	0.0808	2.00	6.23	2.04	0.747	1.80	3.88	---	---	2
3	---	---	0.0528	0.0828	2.01	6.38	2.21	1.23	1.76	4.01	---	---	3
4	---	---	0.0538	0.0688	1.97	6.08	2.27	2.81	1.70	4.38	---	---	4
5	---	---	0.0588	0.0588	1.83	5.71	2.33	3.23	1.88	4.87	---	---	5
6	---	---	0.0588	0.0888	1.84	5.70	2.34	3.87	1.84	4.84	---	---	6
7	---	---	0.0578	0.0748	1.83	7.28	2.02	3.77	1.43	4.61	---	---	7
8	---	---	0.0588	0.0828	1.81	7.27	1.83	3.82	1.40	4.53	---	---	8
9	---	---	0.0578	0.0838	1.74	7.18	1.88	3.84	1.38	4.43	---	---	9
10	---	---	0.0588	0.0848	1.70	6.78	1.82	3.35	1.31	4.37	---	---	10
11	---	---	0.0558	0.1098	1.78	5.18	1.40	3.10	1.27	4.23	---	---	11
12	---	---	0.0528	0.1248	1.87	5.48	1.25	2.98	1.26	4.08	---	---	12
13	---	---	0.0518	0.1368	1.83	4.81	1.18	2.81	1.21	3.90	---	---	13
14	---	---	0.0508	0.2588	1.78	4.18	1.08	2.58	1.18	3.78	---	---	14
15	---	---	0.0508	0.3048	1.70	3.71	0.987	2.11	1.18	3.84	---	---	15
16	---	---	0.0518	0.3588	2.00	3.42	0.871	2.78	1.18	3.84	---	---	16
17	---	---	0.0528	0.8588	1.81	3.26	0.822	3.12	1.15	3.41	---	---	17
18	---	---	0.0538	0.841	1.34	3.18	0.783	2.91	1.12	3.28	---	---	18
19	---	---	0.0548	0.706	1.40	3.07	0.740	2.28	1.08	3.17	---	---	19
20	---	---	0.0558	0.828	1.85	3.02	0.707	1.89	1.08	3.13	---	---	20
21	---	0.0588	0.0588	1.43	2.81	2.83A	0.835	1.88	1.13	3.08	---	---	21
22	---	0.0588	0.0578	3.38	4.08	2.48A	0.878	1.88	1.14	3.08	---	---	22
23	---	0.0588	0.0588	2.71	8.35	2.20A	0.900	1.85	1.18	3.02	---	---	23
24	---	0.0608	0.0608	2.81	8.80	2.02A	0.888	2.04	1.18	2.98	---	---	24
25	---	0.0608	0.0588	3.48	8.98	1.91A	0.948	1.97	1.19	2.88	---	---	25
26	---	0.0588	0.0608	3.48	8.28	1.88A	0.984	1.91	1.18	2.74	---	---	26
27	---	0.0588	0.0598	2.31	8.58	1.85	0.988	1.88	1.17	2.58	---	---	27
28	---	0.0588	0.0598	1.88	8.57	1.80	0.922	1.88	1.15	2.41	---	---	28
29	---		0.0588	3.01	8.51	1.78	0.848	1.90	1.20	2.038	---	---	29
30	---		0.0588	2.12	8.33	1.78	0.788	1.90	2.08	1.418	---	---	30
31	---		0.0588		5.84		0.738	1.88		1.048		---	31
TOTAL	---	---	1.717	27.255	98.29	126.34	39.698	73.983	39.84	105.88	---	---	TOTAL
MEAN	---	---	0.055	0.909	3.17	4.21	1.28	3.38	1.33	3.40	---	---	MEAN
MAX	---	---	0.060	3.71	8.58	7.28	3.33	3.82	2.08	4.84	---	---	MAX
MIN	---	---	0.050	0.088	1.34	1.78	0.707	0.708	1.05	1.04	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.08
MAXIMUM DAILY, 7.28 ON JUN 7
MINIMUM DAILY, 0.050B ON MAR 14
MAXIMUM INSTANTANEOUS,
7.38 AT 20:30 MST ON JUN 7

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 32 40 N
LONG 118 14 20 W
DRAINAGE AREA, 819 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 420
FEB	---	AUG	6 380
MAR	148	SEP	3 480
APR	2 380	OCT	8 120
MAY	8 480	NOV	---
JUN	10 800	DEC	---

TOTAL DISCHARGE, 44 300 dam³

REDEARTH CREEK NEAR THE MOUTH - STATION NO. 06BB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.15	4.20	10.7	5.67	5.63	2.11	1.08A	---	1
2	---	---	---	---	1.28	5.07	9.78	5.80	5.61	2.00	---	---	2
3	---	---	---	---	1.22	7.80	8.82	6.00	5.84	1.98	---	---	3
4	---	---	---	---	1.25	9.37	8.54	5.42	5.42	1.80	---	---	4
5	---	---	---	---	1.59	12.5	8.28	5.18	5.56	1.87	---	---	5
6	---	---	---	---	2.32	16.4	7.98	4.98	5.22	1.98	---	---	6
7	---	---	---	---	3.29	17.1	7.83	4.87	4.93	1.82	---	---	7
8	---	---	---	---	3.88	15.7	8.07	4.88	4.70	1.78	---	---	8
9	---	---	---	---	4.75	18.1	7.78	5.24	4.35	1.74	---	---	9
10	---	---	---	---	5.48	18.4	7.43	5.38	4.07	1.87	---	---	10
11	---	---	---	---	5.38	18.0	6.00	4.81	3.81	2.03	---	---	11
12	---	---	---	---	4.63	19.0	7.80	4.52	3.61	2.08	---	---	12
13	---	---	---	---	4.03	20.2	7.54	4.53	3.42	2.00	---	---	13
14	---	---	---	---	3.59	22.8	7.78	5.05	3.26	1.80	---	---	14
15	---	---	---	---	3.42	26.6	8.28	4.87	3.17	1.74	---	---	15
16	---	---	---	---	3.52	24.3	8.92	5.33	3.06	1.80	---	---	16
17	---	---	---	---	3.70	18.2	8.63	5.28	3.09	1.88	---	---	17
18	---	---	---	---	3.53	14.3	8.00	5.02	2.95	1.86	---	---	18
19	---	---	---	---	3.21	13.1	7.37	7.08	2.79	1.87	---	---	19
20	---	---	---	---	2.92	11.6	7.84	7.37	2.88	1.87	---	---	20
21	---	---	---	---	2.76	9.63	8.41	7.30	2.63	1.70	---	---	21
22	---	---	---	---	2.63	9.18	7.78	6.23	2.43	1.70	---	---	22
23	---	---	---	---	2.66	9.07	6.66	5.32	2.37	1.66	---	---	23
24	---	---	---	---	2.57	9.18	6.12	7.08	2.31	1.72	---	---	24
25	---	---	---	---	2.36	9.47	6.84	7.13	2.26	1.88	---	---	25
26	---	---	---	---	2.30	10.0	6.66	6.36	2.24	1.84	---	---	26
27	---	---	---	0.571A	2.21	10.9	6.84	6.03	2.21	1.88	---	---	27
28	---	---	---	0.888	2.08	9.73	6.00	6.83	2.17	1.88	---	---	28
29	---		---	0.706	2.00	9.42	5.85	6.38	2.13	1.38	---	---	29
30	---		---	0.814	2.26	10.0	5.87	6.23	2.14	1.80	---	---	30
31	---		---		2.84		5.80	5.88		1.34		---	31
TOTAL	---	---	---	---	90.82	413.73	234.30	167.72	105.96	54.39	---	---	TOTAL
MEAN	---	---	---	---	2.93	13.8	7.56	5.06	3.53	1.75	---	---	MEAN
MAX	---	---	---	---	5.48	26.6	10.7	8.32	5.84	2.11	---	---	MAX
MIN	---	---	---	---	1.15	4.20	5.80	4.52	2.13	1.34	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.91
MAXIMUM DAILY, 26.6 ON JUN 15
MINIMUM DAILY, 1.15 ON MAY 1
MAXIMUM INSTANTANEOUS,
31.6 AT 11:32 MST ON JUN 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 13 22 N
LONG 115 48 40 W
DRAINAGE AREA, 147 km²
A - MANUAL GAUGE

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	20 200
FEB	---	AUG	16 200
MAR	---	SEP	9 180
APR	---	OCT	4 700
MAY	7 880	NOV	---
JUN	35 700	DEC	---

TOTAL DISCHARGE, 93 800 dam³

REDWATER RIVER NEAR THE MOUTH - STATION NO. 05EC008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0138	0.0218	0.880	1.46	0.801E	0.537	0.081	0.042	0.388	---	1
2	---	---	0.0138	0.0388	0.840	1.33	0.471E	0.541	0.080	0.037	0.388A	---	2
3	---	---	0.0188	0.0828	0.612	1.30	0.441E	0.588	0.088	0.028	---	---	3
4	---	---	0.0148	0.0718	0.528	1.23	0.411E	0.542	0.083	0.031	---	---	4
5	---	---	0.0148	0.0698	0.674	1.09	0.380E	0.484	0.085	0.034	---	---	5
6	---	---	0.0158	0.1488	0.561	0.940	0.350A	0.457	0.083	0.033	---	---	6
7	---	---	0.0178	0.0728	0.470	0.824	0.338	0.427	0.087	0.034	---	---	7
8	---	---	0.0188	0.0578	0.431	0.748	0.834	0.481	0.104	0.038	---	---	8
9	---	---	0.0188	0.0828	0.481	0.783	1.17	0.387	0.108	0.035	---	---	9
10	---	---	0.0178	0.7048	0.892	0.885	2.00	0.330	0.105	0.032	---	---	10
11	---	---	0.0178	1.06 B	0.482	1.02	2.42	0.282	0.088	0.037	---	---	11
12	---	---	0.0188	2.01 B	0.568	1.25	2.80	0.267	0.093	3.041	---	---	12
13	---	---	0.0208	3.03 B	0.783	1.38	2.71	0.268	0.088	0.132	---	---	13
14	---	---	0.0188	3.48 B	0.780	1.33	2.78	0.313	0.080	0.187	---	---	14
15	---	---	0.0188	3.97 B	0.888	1.17	2.81	0.180	0.073	0.178	---	---	15
16	---	---	0.0178	4.22 B	0.888	1.04	2.38	0.188	0.078	0.170	---	---	16
17	---	---	0.0178	3.80 B	0.850	0.906	2.03	0.148	0.070	0.188	---	---	17
18	---	---	0.0178	3.27 B	0.853	0.828	1.88	0.184	0.084	0.188	---	---	18
19	---	---	0.0188	2.84 B	0.838	0.855	1.82	0.150	0.088	0.187	---	---	19
20	---	---	0.0188	2.43 B	1.08	0.887	1.73	0.149	0.081	0.180	---	---	20
21	---	---	0.0188	2.08 B	2.88	0.778	1.48	0.128	0.047	0.200	---	---	21
22	---	---	0.0188	1.31 B	3.28	0.728	1.30	0.128	0.044	0.204	---	---	22
23	---	---	0.0148	1.06	3.33	0.738	1.20	0.139	0.041	0.188	---	---	23
24	---	---	0.0158	0.984	3.27	0.679	1.11	0.118	0.038	0.182	---	---	24
25	---	---	0.0188	0.880	3.03	0.886	1.03	0.111	0.031	0.188	---	---	25
26	---	---	0.0148	0.788	2.78	0.848	0.938	0.102	0.028	0.317	---	---	26
27	---	---	0.0148	0.888	2.57	0.833	0.884	0.084	0.028	0.480	---	---	27
28	---	---	0.0128	0.885	2.30	0.825	0.771	0.085	0.024	0.389	---	---	28
29	---		0.0128	0.708	2.08	0.882	0.888	0.083	0.027	0.388	---	---	29
30	---		0.0138	0.707	1.88	0.832E	0.880	0.087	0.028	0.338	---	---	30
31	---		0.0138		1.88		0.828	0.081		0.334		---	31
TOTAL	---	---	0.482	42.853	43.708	28.034	38.809	7.788	2.022	4.888	---	---	TOTAL
MEAN	---	---	0.016	1.43	1.38	0.934	1.28	0.251	0.067	0.180	---	---	MEAN
MAX	---	---	0.020	4.22	3.33	1.46	2.78	0.588	0.108	0.480	---	---	MAX
MIN	---	---	0.012	0.021	0.431	0.832	0.338	0.083	0.024	0.028	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.889
MAXIMUM DAILY, 4.228 ON APR 15
MINIMUM DAILY, 0.0128 ON MAR 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 53 49 N
LONG 112 58 48 W
DRAINAGE AREA, 1 550 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 650
FEB	---	AUG	873
MAR	41.8	SEP	178
APR	3 700	OCT	428
MAY	3 850	NOV	---
JUN	2 430	DEC	---

TOTAL DISCHARGE, 14 800 dam³

REDWATER RIVER NEAR VIMY - STATION NO. 05EC007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.016	0.023	0.002	0.010	0.005	0	---	---	1
2	---	---	0B	0 B	0.013	0.017	0.001	0.012	0.007	0	---	---	2
3	---	---	0B	0 B	0.012	0.011	0.002	0.011	0.007	0	---	---	3
4	---	---	0B	0.0028	0.010	0.008	0.002	0.010	0.007	0	---	---	4
5	---	---	0B	0.0108	0.002	0.008	0.002	0.011	0.007	0	---	---	5
6	---	---	0B	0.4008	0.005	0.007	0.002	0.011	0.007	0	---	---	6
7	---	---	0B	1.50 B	0.008	0.006	0.002	0.011	0.007	0	---	---	7
8	---	---	0B	2.00 B	0.008	0.004	0.018	0.011	0.007	0	---	---	8
9	---	---	0B	2.40 B	0.007	0.004	0.008	0.011	0.008	0	---	---	9
10	---	---	0B	2.85 B	0.008	0.008	0.006	0.010	0.008	0	---	---	10
11	---	---	0B	2.70 B	0.008	0.005	0.279	0.008	0.005	0	---	---	11
12	---	---	0B	2.80 B	0.008	0.004	0.472	0.008	0.004	0	---	---	12
13	---	---	0B	2.50 B	0.012	0.003	0.882	0.003	0.004	0	---	---	13
14	---	---	0B	2.00 B	0.011	0.005	0.891	0	0.003	0	---	---	14
15	---	---	0B	1.97	0.012	0.011	0.581	0	0.002	0	---	---	15
16	---	---	0B	1.82	0.020	0.018	0.848	0	0.004	0	---	---	16
17	---	---	0B	1.31	0.012	0.018	0.832	0	0.004	0	---	---	17
18	---	---	0B	1.12	0.008	0.013	0.480	0.001	0.004	0	---	---	18
19	---	---	0B	0.933	0.014	0.013	0.381	0.001	0.004	0	---	---	19
20	---	---	0B	0.784	0.085	0.012	0.278	0.001	0.003	0	---	---	20
21	---	---	0B	0.847	0.072	0.012	0.172	0.002	0.003	0	---	---	21
22	---	---	0B	0.856	0.078	0.012	0.111	0.002	0.003	0	---	---	22
23	---	---	0B	0.483	0.082	0.011	0.077	0.002	0.002	0	---	---	23
24	---	---	0B	0.378	0.078	0.009	0.062	0.002	0.001	0	---	---	24
25	---	---	0B	0.329	0.073	0.007	0.051	0.002	0.001	0	---	---	25
26	---	---	0B	0.234	0.068	0.004	0.050	0.001	0.001	0	---	---	26
27	---	---	0B	0.126	0.068	0.004	0.136	0.001	0.001	0	---	---	27
28	---	---	0B	0.088	0.048	0.003	0.040	0.001	0	0	---	---	28
29	---		0B	0.022	0.038	0.002	0.031	0.001	0	0	---	---	29
30	---		0B	0.014	0.026	0.002	0.024	0.002	0	0	---	---	30
31	---		0B		0.060		0.018	0.004		0A		---	31
TOTAL	---	---	0	29.629	0.834	0.281	5.800	0.148	0.115	0	---	---	TOTAL
MEAN	---	---	0	0.868	0.030	0.009	0.177	0.005	0.004	0	---	---	MEAN
MAX	---	---	0	2.85	0.062	0.023	0.891	0.012	0.007	0	---	---	MAX
MIN	---	---	0	0	0.002	0.002	0.001	0		0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.168
MAXIMUM DAILY, 2.85B ON APR 10
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 05 38 N
LONG 113 33 59 W
DRAINAGE AREA, 488 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	575
FEB	---	AUG	13.8
MAR	0	SEP	3.84
APR	2 880	OCT	0
MAY	80.7	NOV	---
JUN	22.8	DEC	---

TOTAL DISCHARGE, 3 180 dam³

REDWILLOW CREEK NEAR RED WILLOW - STATION NO. 05FC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0618	0.170	0.030	0.023	0.033	0.001	0.001	---	---	1
2	---	---	0 B	0.1778	0.183	0.026	0.019	0.031	0.001	0.001	---	---	2
3	---	---	0 B	0.5698	0.166	0.026	0.020	0.027	0.001	0.002	---	---	3
4	---	---	0 B	1.39 B	0.152	0.020	0.018	0.026	0.001	0.004	---	---	4
5	---	---	0 B	1.31 B	0.134	0.018	0.024	0.027	0.001	0.006	---	---	5
6	---	---	0 B	1.10 B	0.174	0.018	0.024	0.027	0.002	0.005	---	---	6
7	---	---	0 B	0.4958	0.152	0.011	0.023	0.027	0.002	0.005	---	---	7
8	---	---	0.0018	0.7388	0.144	0.011	0.022	0.026	0.001	0.005	---	---	8
9	---	---	0.0028	0.6238	0.116	0.013	0.024	0.024	0.001	0.005	---	---	9
10	---	---	0.0028	0.5218	0.116	0.014	0.028	0.018	0.001	0.006	---	---	10
11	---	---	0.0018	0.5018	0.118	0.011	0.088	0.013	0.001	0.004	---	---	11
12	---	---	0.0018	0.6388	0.101	0.006	0.048	0.008	0.001	0.001	---	---	12
13	---	---	0.0018	0.4498	0.088	0.001	0.063	0.006	0.001	0.002	---	---	13
14	---	---	0.0018	0.4278	0.082	0	0.057	0.003	0.001	0.013	---	---	14
15	---	---	0.0018	0.3208	0.108	0	0.067	0.001	0.002	0.006	---	---	15
16	---	---	0.0018	0.2788	0.185	0.003	0.098	0.002	0.002	0.004	---	---	16
17	---	---	0.0018	0.218	0.142	0.001	0.048	0.001	0.002	0.002	---	---	17
18	---	---	0.0018	0.158	0.134	0	0.032	0.001	0.002	0.001	---	---	18
19	---	---	0.0018	0.142	0.138	0	0.058	0.001	0.002	0.001	---	---	19
20	---	---	0.0018	0.120	0.134	0	0.044	0.002	0.002	0.002	---	---	20
21	---	0B	0.0038	0.142	0.128	0	0.048	0.008	0.002	0.002	---	---	21
22	---	0B	0.0038	0.138	0.120	0	0.037	0.002	0.001	0.003	---	---	22
23	---	0B	0.0048	0.141	0.111	0	0.036	0.001	0.001	0.007	---	---	23
24	---	0B	0.0058	0.146	0.106	0	0.033	0.001	0.002	0.013	---	---	24
25	---	0B	0.0068	0.106	0.091	0	0.030	0.001	0.001	0.018	---	---	25
26	---	0B	0.0068	0.095	0.083	0	0.031	0.001	0.002	0.017	---	---	26
27	---	0B	0.0078	0.134	0.077	0.018	0.020	0.001	0.003	0.017	---	---	27
28	---	0B	0.0088	0.182	0.048	0.018	0.028	0.001	0.003	0.020	---	---	28
29	---		0.0138	0.158	0.050	0.018	0.030	0.001	0.003	0.013	---	---	29
30	---		0.0178	0.174	0.038	0.018	0.031	0.001	0.002	0.010	---	---	30
31	---		0.0438		0.032		0.030	0.001		0.010A		---	31
TOTAL	---	---	0.130	12.018	3.889	0.274	1.143	0.330	0.048	0.308	---	---	TOTAL
MEAN	---	---	0.004	0.401	0.116	0.009	0.037	0.010	0.002	0.007	---	---	MEAN
MAX	---	---	0.043	1.39	0.192	0.030	0.088	0.033	0.003	0.020	---	---	MAX
MIN	---	---	0	0.061	0.032	0	0.018	0.001	0.001	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.073
MAXIMUM DAILY, 1.39B ON APR 4
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 31 18 N
LONG 112 23 13 W
DRAINAGE AREA, 826 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	98.6
FEB	---	AUG	27.6
MAR	11.2	SEP	4.15
APR	1 040	OCT	17.7
MAY	310	NOV	---
JUN	23.7	DEC	---

TOTAL DISCHARGE, 1 530 dam³

REDWILLOW RIVER NEAR BEAVERLODGE - STATION NO. 07GD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0 B	0B	0 B	0.1858	7.40	13.7	15.8	5.61	26.1	3.73	1.828	2.30 B	1
2	0 B	0B	0 B	0.1818	8.89	11.7	14.4	5.16	21.2	4.36	3.68B	2.20 B	2
3	0 B	0B	0 B	0.3608	10.4	9.76	13.1	5.16	17.7	4.72	3.30	1.98 B	3
4	0 B	0B	0 B	1.82 B	11.0	7.84	11.8	20.4	15.8	4.71	3.06	1.89 B	4
5	0 B	0B	0 B	2.30 B	11.2	8.58	10.1	20.1	14.0	4.88	3.06	1.82 B	5
6	0 B	0B	0 B	1.84 B	11.2	8.61	8.86	16.4	13.4	4.84	3.03	1.49 B	6
7	0 B	0B	0 B	1.10 B	11.2	4.76	8.01	13.8	14.1	5.16	2.688	1.38 B	7
8	0 B	0B	0 B	1.82 B	10.8	4.08	7.37	11.6	15.3	5.33	2.76B	1.12 B	8
9	0 B	0B	0 B	2.43 B	10.1	3.86	8.26	11.7	15.4	5.19	2.90B	0.8858	9
10	0 B	0B	0 B	3.15 B	9.09	6.75	16.7	12.8	14.4	5.02	2.80B	0.760B	10
11	0 B	0B	0 B	3.81 B	8.16	15.1	21.5	28.8	13.2	4.84	2.88B	0.730B	11
12	0 B	0B	0 B	4.30 B	7.48	13.8	19.0	34.2	12.0	4.84	2.83B	0.780B	12
13	0 B	0B	0 B	2.83 B	8.75	11.1	15.1	30.8	10.9	4.54	2.55B	0.850B	13
14	0 B	0B	0 B	1.71 B	5.83	8.85	13.7	25.9	9.83	4.34	2.76B	0.945B	14
15	0 B	0B	0 B	1.34 B	4.88	7.36	15.8	25.9	8.83	4.05	2.58B	1.10 B	15
16	0.0015	0B	0 B	1.45 B	4.38	5.89	16.7	28.8	8.24	3.80	2.48B	1.20 B	16
17	0.0015	0B	0 B	1.71 B	3.78	4.64	28.7	29.8	7.85	3.67	2.50B	1.31 B	17
18	0 B	0B	0 B	1.11 B	3.80	4.08	27.8	36.8	7.37	3.84	2.88B	1.26 B	18
19	0 B	0B	0 B	1.31 B	4.08	6.36	22.5	38.5	7.19	3.44	2.68B	1.20 B	19
20	0.0015	0B	0 B	1.84 B	4.81	4.82	18.5	34.3	7.08	3.36	2.30B	1.11 B	20
21	0.0028	0B	0 B	2.57	5.84	4.34	19.3	28.2	7.21	3.37	2.48B	1.01 B	21
22	0.0028	0B	0 B	2.57	11.1	4.00	16.3	24.9	7.05	3.37	3.23B	0.900B	22
23	0.0028	0B	0.0018	3.10	13.8	3.65	13.1	82.4 A	6.65	3.36	2.98B	0.780B	23
24	0.0018	0B	0.0388	3.68	14.7	3.34	11.2	100 A	6.34	3.30	3.58B	0.700B	24
25	0 B	0B	0.0328	3.67	15.8	2.83	11.0	87.6 A	6.65	3.32	2.76B	0.860B	25
26	0 B	0B	0 B	3.84	18.2	2.71	11.0	68.8 A	6.11	3.30	2.55B	1.14 B	26
27	0 B	0B	0 B	4.59	20.1	3.07	9.99	58.8 A	4.86	3.28	2.00B	1.07 B	27
28	0 B	0B	0.0348	5.05	20.8	8.88	9.00	48.0 A	4.27	3.28	2.00B	1.13 B	28
29	0 B		0.0238	5.55	18.2	15.9	7.83	41.1 A	3.79	3.26	2.10B	1.07 B	29
30	0 B		0.0408	6.61	15.9	18.6	6.86	36.9	3.72	3.16	2.20B	0.880B	30
31	0 B		0.0818		14.1		6.10	31.8		2.338		0.780B	31
TOTAL	0.010	0	0.249	77.336	326.37	219.40	437.92	1 011.45	313.04	123.18	89.16	38.840	TOTAL
MEAN	0	0	0.008	2.56	10.5	7.31	14.1	32.6	10.4	3.97	2.87	1.18	MEAN
MAX	0.002	0	0.081	8.61	20.8	18.6	28.7	100	26.1	5.33	3.68	2.30	MAX
MIN	0	0	0	0.185	3.78	2.71	6.10	5.16	3.72	2.33	1.82	0.760	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.19
MAXIMUM DAILY, 100A ON AUG 24
MINIMUM DAILY, 0B ON JAN 1
MAXIMUM INSTANTANEOUS, 110 AT 14:30 MST ON AUG 24

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 04 55 N
LONG 119 31 30 W
DRAINAGE AREA, 1 810 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0.86	JUL	27 800
FEB	0	AUG	87 400
MAR	21.5	SEP	27 000
APR	6 880	OCT	10 800
MAY	28 100	NOV	8 830
JUN	19 000	DEC	3 180

TOTAL DISCHARGE, 237 000 dam³

REESOR RESERVOIR NEAR ELKWATER - STATION NO. 11AB080

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	1226.527	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	1226.549	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	1226.511	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	1226.484	---	---	---	7
8	---	---	1226.288E	1226.282E	1226.311E	1226.388E	1226.513E	1226.485	1226.496E	1226.528E	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	1226.397E	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	1226.521	1226.484	---	1226.493	---	---	17
18	---	---	---	1226.283E	---	1226.412E	---	---	1226.536	---	---	---	18
19	---	---	1226.277E	---	1226.320E	1226.432	1226.522E	1226.460E	---	1226.486E	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	1226.284	---	---	---	---	---	---	---	---	---	---	21
22	---	1226.283E	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	1226.300	---	---	---	---	---	1226.486E	---	---	25
26	---	1226.281E	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	1226.269E	1226.272	1226.303E	---	1226.506	---	---	1226.544E	---	---	---	28
29	---		1226.272E	---	1226.328E	---	1226.526E	1226.478E	---	---	---	---	29
30	---		---	1226.306E	1226.333	1226.507E	---	---	1226.548E	---	---	---	30
31	---		1226.274E		1226.337E		1226.527E	1226.482E		1226.480E		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 1226.549 ON OCT 3
MINIMUM DAILY, 1226.272 ON MAR 28

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 39 40 N
LONG 110 05 44 W

E - ESTIMATED

REGULATED

DRAINAGE AREA, 3.65 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REITA CREEK NEAR OUTLET OF ANGLING LAKE - STATION NO. 06AD013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0138	0.0188	0.401	0.218	0.178	0.088	0.017	0.012	---	---	1
2	---	---	0.0128	0.0188	0.402	0.214	0.167	0.083	0.017	0.008	---	---	2
3	---	---	0.0088	0.0208	0.384	0.212	0.158	0.080	0.017	0.008	---	---	3
4	---	---	0.0088	0.0228	0.388	0.210	0.167	0.088	0.018	0.008	---	---	4
5	---	---	0.0088	0.0238	0.378	0.208	0.158	0.055	0.018	0.008	---	---	5
6	---	---	0.0078	0.0378	0.385	0.195	0.153	0.048	0.018	0.010	---	---	6
7	---	---	0.0088	0.0808	0.375	0.268	0.150	0.047	0.018	0.010	---	---	7
8	---	---	0.0118	0.1138	0.383	0.187	0.151	0.048	0.018	0.010	---	---	8
9	---	---	0.0138	0.1978	0.383	0.191	0.150	0.043	0.017	0.010	---	---	9
10	---	---	0.0188	0.2488	0.374	0.190	0.144	0.040	0.017	0.012	---	---	10
11	---	---	0.0178	0.2758	0.370	0.194	0.143	0.038	0.018	0.012	---	---	11
12	---	---	0.0178	0.348	0.374	0.208	0.137	0.037	0.018	0.013	---	---	12
13	---	---	0.0188	0.384	0.387	0.185	0.137	0.038	0.018	0.013	---	---	13
14	---	---	0.0148	0.324	0.380	0.190	0.135	0.034	0.018	0.013	---	---	14
15	---	---	0.0118	0.280	0.382	0.193	0.130	0.032	0.017	0.013	---	---	15
16	---	---	0.0108	0.264	0.363	0.207	0.122	0.028	0.017	0.013	---	---	16
17	---	---	0.0108	0.286	0.343	0.218	0.116	0.027	0.017	0.013	---	---	17
18	---	---	0.0108	0.318	0.330	0.220	0.113	0.028	0.018	0.013	---	---	18
19	---	---	0.0098	0.278	0.322	0.220	0.108	0.024	0.018	0.013	---	---	19
20	---	---	0.0098	0.319	0.301	0.220	0.108	0.018	0.017	0.012	---	---	20
21	---	---	0.0108	0.338	0.288	0.221	0.101	0.018	0.018	0.012	---	---	21
22	---	---	0.0118	0.371	0.278	0.222	0.097	0.020	0.018	0.013	---	---	22
23	---	---	0.0128	0.426	0.287	0.218	0.092	0.020	0.018	0.013	---	---	23
24	---	---	0.0148	0.382	0.258	0.218	0.087	0.019	0.018	0.013	---	---	24
25	---	---	0.0138	0.384	0.248	0.220	0.082	0.018	0.018	0.013	---	---	25
26	---	---	0.0138	0.388	0.247	0.214	0.078	0.017	0.018	0.013	---	---	26
27	---	---	0.0128	0.388	0.240	0.213	0.078	0.017	0.014	0.013	---	---	27
28	---	0.0148	0.0128	0.380	0.230	0.203	0.078	0.017	0.014	0.013	---	---	28
29	---		0.0118	0.385	0.228	0.188	0.078	0.017	0.014	0.013	---	---	29
30	---		0.0128	0.389	0.225	0.180	0.071	0.017	0.013	0.0138	---	---	30
31	---		0.0158		0.224		0.088	0.016		0.0138		---	31
TOTAL	---	---	0.367	7.896	10.040	6.263	3.721	1.026	0.487	0.388	---	---	TOTAL
MEAN	---	---	0.012	0.263	0.324	0.208	0.120	0.033	0.016	0.012	---	---	MEAN
MAX	---	---	0.017	0.426	0.402	0.268	0.178	0.088	0.018	0.013	---	---	MAX
MIN	---	---	0.008	0.018	0.224	0.180	0.088	0.016	0.013	0.008	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.122
MAXIMUM DAILY, 0.426 ON APR 23
MINIMUM DAILY, 0.0068 ON MAR 4
MAXIMUM INSTANTANEOUS,
0.848 AT 13:15 MST ON JUN 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 13 45 N
LONG 110 19 45 W
DRAINAGE AREA, 181 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	321
FEB	---	AUG	86.8
MAR	20.6	SEP	42.1
APR	658	OCT	31.8
MAY	867	NOV	---
JUN	540	DEC	---

TOTAL DISCHARGE, 2 580 dam³

REMARKS - DUE TO EXTENSIVE BACKWATER FROM BEAVER ACTIVITY, THE MAXIMUM INSTANTANEOUS DISCHARGE WAS CONSIDERED ONLY A GOOD ESTIMATE

RENWICK CREEK NEAR THREE HILLS - STATION NO. 05CE011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.882B	0.012	0.006	0.053	0	0.005	0	0.0018	---	1
2	---	---	0 B	0.801B	0.011	0.006	0.032	0	0.003	0	---	---	2
3	---	---	0 B	0.280B	0.010	0.004	0.018	0	0.005	0	---	---	3
4	---	---	0 B	0.204B	0.009	0.002	0.011	0	0.005	0	---	---	4
5	---	---	0 B	0.234	0.007	0.001	0.008	0	0.005	0	---	---	5
6	---	---	0 B	0.139A	0.007	0.001	0.008	0	0.004	0	---	---	6
7	---	---	0 B	0.187	0.006	0	0.004	0	0.003	0	---	---	7
8	---	---	0 B	0.134	0.005	0	0.002	0	0.003	0	---	---	8
9	---	---	0 B	0.112	0.004	0	0.001	0	0.003	0	---	---	9
10	---	---	0 B	0.106	0.003	0	0.001	0	0.002	0	---	---	10
11	---	---	0 B	0.087	0.002	0	0.001	0	0.002	0	---	---	11
12	---	---	0 B	0.110	0.002	0	0.001	0	0.001	0	---	---	12
13	---	---	0 B	0.083	0.002	0	0.001	0	0.001	0	---	---	13
14	---	---	0 B	0.057	0.002	0	0.001	0	0.001	0	---	---	14
15	---	---	0 B	0.042	0.002	0	0	0	0.001	0	---	---	15
16	---	---	0 B	0.032	0.001	0	0.001	0	0	0	---	---	16
17	---	---	0 B	0.028	0.002	0	0.001	0	0	0	---	---	17
18	---	---	0 B	0.025	0.001	0	0.001	0	0	0	---	---	18
19	---	---	0 B	0.023	0.003	0	0	0.001	0	0	---	---	19
20	---	---	0 B	0.020	0.005	0	0	0.003	0	0	---	---	20
21	---	OB	0 B	0.018	0.008	0	0	0.012	0	0	---	---	21
22	---	OB	0 B	0.017	0.005	0	0	0.004	0	0	---	---	22
23	---	OB	0 B	0.017	0.005	0	0	0.001	0	0	---	---	23
24	---	OB	0 B	0.019	0.019	0	0	0.001	0	0	---	---	24
25	---	OB	0 B	0.026	0.021	0	0	0.001	0	0	---	---	25
26	---	OB	0 B	0.024	0.018	0	0	0.001	0	0	---	---	26
27	---	OB	0 B	0.022	0.015	0	0	0.001	0	0	---	---	27
28	---	OB	0 B	0.018	0.013	0.003	0	0.001	0	0	---	---	28
29	---		0.350B	0.017	0.012	0.003	0	0.002	0	0	---	---	29
30	---		1.26 B	0.018	0.010	0.009	0	0.008	0	0	---	---	30
31	---		1.33 B		0.008		0	0.008		0.0018		---	31
TOTAL	---	---	2.940	3.890	0.228	0.037	0.144	0.041	0.047	0.001	---	---	TOTAL
MEAN	---	---	0.095	0.123	0.007	0.001	0.005	0.001	0.002	0	---	---	MEAN
MAX	---	---	1.33	0.862	0.021	0.009	0.053	0.012	0.008	0.001	---	---	MAX
MIN	---	---	0	0.018	0.001	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.038
MAXIMUM DAILY, 1.33B ON MAR 31
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.71 AT 19:49 MST ON MAR 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 43 01 N
LONG 113 21 47 W
DRAINAGE AREA, 57.2 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	13.4
FEB	---	AUG	3.64
MAR	294	SEP	4.06
APR	318	OCT	0.08
MAY	18.8	NOV	---
JUN	3.20	DEC	---

TOTAL DISCHARGE, 816 dam³

RIBSTONE CREEK NEAR CZAR - STATION NO. 05FD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0.003E	0.001	0.001	0	0	0.001	0.002	---	---	1
2	---	---	0B	0.027E	0.001	0.001	0	0	0.001	0.002	---	---	2
3	---	---	0B	0.023	0.001	0.001	0	0.006	0.001	0.002	---	---	3
4	---	---	0B	0.020	0.001	0	0	0.012	0.001	0.002A	---	---	4
5	---	---	0B	0.018	0.001	0	0	0.006	0.001	0.002E	---	---	5
6	---	---	0B	0.014	0.001	0	0	0.018	0.002	0.002E	---	---	6
7	---	---	0B	0.011	0.001	0	0	0.018	0.002	0.002E	---	---	7
8	---	---	0B	0.009	0.001	0	0	0.018	0.002	0.002E	---	---	8
9	---	---	0B	0.008A	0.001	0	0	0.019	0.002	0.002E	---	---	9
10	---	---	0B	0.008E	0.001	0.002	0	0.022	0.002	0.002E	---	---	10
11	---	---	0B	0.005E	0.001	0.020	0	0.021	0.002	0.002E	---	---	11
12	---	---	0B	0.004A	0.001	0.014	0	0.019	0.002	0.002E	---	---	12
13	---	---	0B	0.003	0.001	0.007	0	0.016	0.002	0.002E	---	---	13
14	---	---	0B	0.003	0.001	0.002	0	0.014	0.002	0.002E	---	---	14
15	---	---	0B	0.002	0.001	0.008	0	0.009	0.002	0.002E	---	---	15
16	---	---	0B	0.001	0.001	0.057	0	0.012	0.002	0.002E	---	---	16
17	---	---	0B	0.001	0.003	0.048	0	0.012	0.002	0.002E	---	---	17
18	---	---	0B	0.001	0.002	0.033	0	0.010	0.002	0.002E	---	---	18
19	---	---	0B	0.001	0.017	0.023	0	0.007	0.002	0.002E	---	---	19
20	---	0B	0B	0.001	0.021	0.016	0	0.007	0.002	0.002E	---	---	20
21	---	0B	0B	0.001	0.018	0.009	0	0.005	0.002	0.001E	---	---	21
22	---	0B	0B	0.001	0.013	0.007	0	0.003	0.002	0.001E	---	---	22
23	---	0B	0B	0.001	0.012	0.004	0	0.002	0.002	0.001E	---	---	23
24	---	0B	0B	0.001	0.013	0.006	0	0.002	0.002	0.001E	---	---	24
25	---	0B	0B	0.001	0.017	0.003	0A	0.002	0.002	0.001E	---	---	25
26	---	0B	0B	0.001	0.014	0.001	0A	0.002	0.002	0.001E	---	---	26
27	---	0B	0B	0.001	0.007	0.001	0	0.001	0.002	0.001E	---	---	27
28	---	0B	0B	0.001	0.005	0.001	0	0.001	0.002	0.001E	---	---	28
29	---		0B	0.001	0.003	0.001	0	0.001	0.002	0.001E	---	---	29
30	---		0B	0.001	0		0	0.001	0.002	0.001A	---	---	30
31	---		0B		0.001		0	0.001		0.001E		---	31
TOTAL	---	---	0	0.189	0.183	0.287	0	0.285	0.055	0.051	---	---	TOTAL
MEAN	---	---	0	0.006	0.006	0.009	0	0.009	0.002	0.002	---	---	MEAN
MAX	---	---	0	0.027	0.021	0.057	0	0.022	0.002	0.002	---	---	MAX
MIN	---	---	0	0.001	0.001	0	0	0	0.001	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.004
MAXIMUM DAILY, 0.057 ON JUN 16
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.114 AT 19:19 MST ON JUN 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 28 17 N
LONG 110 44 16 W
DRAINAGE AREA, 1 830 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	22.9
MAR	0	SEP	4.75
APR	14.6	OCT	4.41
MAY	14.1	NOV	---
JUN	23.1	DEC	---

TOTAL DISCHARGE, 83.9 dam³

RIBSTONE CREEK NEAR EDGERTON - STATION NO. 05FD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.008B	0	0.536	1.83	0	0	0	---	---	1
2	---	---	0 B	0.028B	0	0.488	0.718	0	0	0	---	---	2
3	---	---	0 B	0.027B	0	0.419	0.420	0.003	0 E	0	---	---	3
4	---	---	0 B	0.112B	0	0.408	0.352	0.023	0	0	---	---	4
5	---	---	0 B	0.091B	0	0.412	0.180	0.028	0	0	---	---	5
6	---	---	0 B	0.011B	0	0.419	0.444	0.028	0	0	---	---	6
7	---	---	0 B	0.005B	0	0.511	0.363	0.021	0 E	0	---	---	7
8	---	---	0 B	0 B	0	0.584	0.271	0.010	0	0	---	---	8
9	---	---	0 B	0 B	0	0.604	0.224	0.005	0	0	---	---	9
10	---	---	0 B	0 B	0	0.729	0.218	0.003	0	0	---	---	10
11	---	---	0 B	0 A	0	0.635	0.385	0.001	0	0	---	---	11
12	---	---	0 B	0 A	0	1.26	0.350	0.001	0.001	0	---	---	12
13	---	---	0 B	0	0	1.40	0.254	0	0.003	0	---	---	13
14	---	---	0 B	0	0	1.66	0.182	0	0.003	0	---	---	14
15	---	---	0 B	0	0	1.81	0.010	0	0.002	0	---	---	15
16	---	---	0 B	0	0.070	2.08	0	0	0	0	---	---	16
17	---	---	0 B	0	0.183	2.07	0	0	0	0	---	---	17
18	---	---	0 B	0	0.227	2.16	0	0	0	0	---	---	18
19	---	---	0 B	0	0.208	2.39	0	0 E	0	0	---	---	19
20	---	0B	0 B	0	0.184	2.26	0	0	0	0	---	---	20
21	---	0B	0 B	0	0.133	2.00	0	0	0	0	---	---	21
22	---	0B	0 B	0	0.110	1.86	0	0	0	0	---	---	22
23	---	0B	0 B	0	0.183	2.01	0	0	0	0	---	---	23
24	---	0B	0.001B	0	0.264	2.18	0	0	0	0	---	---	24
25	---	0B	0 B	0	0.814	2.19	0	0	0	0	---	---	25
26	---	0B	0 B	0	0.988	2.11	0	0	0	0	---	---	26
27	---	0B	0 B	0	1.75	2.30	0	0	0	0	---	---	27
28	---	0B	0 B	0	2.22	2.34	0	0	0	0	---	---	28
29	---		0 B	0	1.87	1.89	0	0	0	0	---	---	29
30	---		0.003B	0	1.05	1.88	0	0	0	0	---	---	30
31	---		0.002B		0.735		0	0		0E		---	31
TOTAL	---	---	0.005	0.278	10.546	44.128	5.909	0.125	0.009	0	---	---	TOTAL
MEAN	---	---	0	0.009	0.340	1.47	0.191	0.004	0	0	---	---	MEAN
MAX	---	---	0.003	0.112	2.22	2.39	1.83	0.028	0.003	0	---	---	MAX
MIN	---	---	0	0	0	0.406	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.249
MAXIMUM DAILY, 2.39 ON JUN 19
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.55 AT 19:19 MST ON JUN 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 45 15 N
LONG 110 29 00 W
DRAINAGE AREA, 2 810 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	511
FEB	---	AUG	10.8
MAR	0.43	SEP	0.75
APR	24.0	OCT	0
MAY	911	NOV	---
JUN	2 810	DEC	---

TOTAL DISCHARGE, 5 270 dam³

RISSTONE CREEK TRIBUTARY NEAR CORONATION - STATION NO. 05PD008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.30 B	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.718B	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.208	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0.088	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.070	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0.060	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0.035	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0.017	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0.004	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0.001	0	0.007	0	0	0	0	---	---	10
11	---	---	0 B	0.003	0	0.007	0.001	0	0	0	---	---	11
12	---	---	0 B	0.025	0	0.001	0.020	0	0	0	---	---	12
13	---	---	0 B	0.041	0	0	0.008	0	0	0	---	---	13
14	---	---	0 B	0.017	0	0	0.004	0	0	0	---	---	14
15	---	---	0 B	0.008	0	0	0.003	0	0	0	---	---	15
16	---	---	0 B	0.013	0	0	0.002	0	0	0	---	---	16
17	---	---	0 B	0.018	0	0	0.002	0	0	0	---	---	17
18	---	---	0 B	0.008	0	0	0.001	0	0	0	---	---	18
19	---	---	0 B	0.002	0	0	0.001	0	0	0	---	---	19
20	---	0B	0 B	0.001	0	0	0.001	0	0	0	---	---	20
21	---	0B	0 B	0.001	0	0	0	0	0	0	---	---	21
22	---	0B	0 B	0	0	0	0	0	0	0	---	---	22
23	---	0B	0 B	0	0	0	0	0	0	0	---	---	23
24	---	0B	0 B	0	0	0	0	0	0	0	---	---	24
25	---	0B	0 B	0	0	0	0	0	0	0	---	---	25
26	---	0B	0 B	0	0	0	0	0	0	0	---	---	26
27	---	0B	0 B	0	0	0	0	0	0	0	---	---	27
28	---	0B	0.015B	0	0	0	0	0	0	0	---	---	28
29	---		0.029B	0	0	0	0	0	0	0A	---	---	30
30	---		0.310B	0	0	0	0	0	0	0A		---	30
31	---		0.630B		0		0			0B		---	31
TOTAL	---	---	1.184	2.592	0	0.015	0.044	0	0	0	---	---	TOTAL
MEAN	---	---	0.038	0.086	0	0.001	0.001	0	0	0	---	---	MEAN
MAX	---	---	0.630	1.30	0	0.007	0.020	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.019
MAXIMUM DAILY, 1.300 ON APR 1
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.778 AT 08:18 MST ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 10 07 N
LONG 111 14 15 W
DRAINAGE AREA, 331 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3.80
FEB	---	AUG	0
MAR	102	SEP	0
APR	224	OCT	0
MAY	0	NOV	---
JUN	1.30	DEC	---

TOTAL DISCHARGE, 331 dam³

RICHARDSON RIVER NEAR THE MOUTH - STATION NO. 07DD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	11.5 B	10.0B	28.5	27.4	24.1	20.7	19.0	19.2	---	---	1
2	---	---	11.4 B	10.1B	28.0	26.9	24.4	20.3	18.7	19.0	---	---	2
3	---	---	11.3 B	10.1B	28.3	26.3	24.4	20.2	18.7	18.8	---	---	3
4	---	---	11.2 B	10.2B	28.4	24.8	25.2	20.0	18.7	18.7	---	---	4
5	---	---	11.2 B	10.3B	28.4	24.2	28.5	19.7	18.7	18.8	---	---	5
6	---	---	11.1 B	10.5B	30.1	23.4	27.9	19.4	18.6	18.5	---	---	6
7	---	---	11.0 B	10.8B	30.3	22.8	28.4	19.0	18.6	18.3	---	---	7
8	---	---	10.9 B	10.8B	30.4	22.3	30.8	18.8	18.5	18.1	---	---	8
9	---	---	10.8 B	11.0B	30.0	22.0	31.7	18.5	18.5	18.1	---	---	9
10	---	---	10.7 B	11.2B	29.4	21.8	31.1	18.2	18.5	18.2	---	---	10
11	---	---	10.7 B	11.7B	28.8	20.9	28.4	17.8	18.9	18.4	---	---	11
12	---	---	10.5 B	12.4B	28.1	20.3	27.6	17.8	19.1	18.5	---	---	12
13	---	---	10.4 B	12.8B	27.7	20.0	26.8	17.2	19.2	18.6	---	---	13
14	---	---	10.2 B	13.2B	27.5	19.8	26.8	17.2	19.2	18.7	---	---	14
15	---	---	10.1 B	12.8B	27.2	19.8	23.4	17.6	19.1	18.8	---	---	15
16	---	---	10.0 B	12.7B	27.0	19.4	22.8	18.8	19.4	18.4	---	---	16
17	---	---	10.0 B	12.8B	26.4	19.0	21.8	18.6	19.8	18.2	---	---	17
18	---	---	9.88B	12.6B	25.9	18.8	21.1	18.7	20.0	18.2	---	---	18
19	---	---	9.83B	12.5B	25.2	18.9	20.3	18.4	20.1	18.4	---	---	19
20	---	---	9.82B	12.4B	24.9	18.9	20.0	18.7	20.3	18.4	---	---	20
21	---	---	9.88B	12.3B	25.1	19.7	20.1	17.3	20.6	18.3	---	---	21
22	---	---	9.88B	12.3B	27.2	21.3	19.9	17.8	20.7	18.4	---	---	22
23	---	---	9.78B	12.2B	28.4	23.1	19.7	17.9	20.8	18.5	---	---	23
24	---	---	9.71B	12.8B	29.5	24.7	19.4	18.2	20.8	18.4	---	---	24
25	---	---	9.73B	14.8B	30.5	25.3	19.5	19.0	20.7	18.5	---	---	25
26	---	---	9.78B	16.8B	31.3	24.9	19.3	19.7	20.5	18.6A	---	---	26
27	---	---	9.77B	18.1B	31.5	24.4	19.5	20.2	20.4	18.9E	---	---	27
28	---	---	9.69B	20.2	32.2	24.6	20.3	20.1	20.2	18.7E	---	---	28
29	---		9.90B	21.8	32.1	24.6	21.1	19.9	19.6	18.6E	---	---	29
30	---		9.91B	24.4	31.6	24.3	20.6	19.6	19.9	18.3B	---	---	30
31	---		9.86B		30.6		21.0	19.3		18.1B		---	31
TOTAL	---	---	320.04	395.5	890.4	671.7	732.7	574.8	588.0	573.4	---	---	TOTAL
MEAN	---	---	10.4	13.2	28.7	22.4	23.8	18.5	19.5	18.5	---	---	MEAN
MAX	---	---	11.5	24.4	32.2	27.4	31.7	20.7	20.8	19.2	---	---	MAX
MIN	---	---	9.71	10.0	25.2	18.8	19.3	18.4	18.5	18.1	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 19.4
MAXIMUM DAILY, 32.2 ON MAY 26
MINIMUM DAILY, 9.71B ON MAR 24
MAXIMUM INSTANTANEOUS,
33.6 AT 15:26 MST ON MAY 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 31 48 N
LONG 111 14 14 W
DRAINAGE AREA, 2 700 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	63 300
FEB	---	AUG	48 800
MAR	27 700	SEP	50 800
APR	34 200	OCT	49 500
MAY	78 800	NOV	---
JUN	58 000	DEC	---

TOTAL DISCHARGE, 410 000 dam³

RIVIERE DES ROCHERS ABOVE SLAVE RIVER - STATION NO. 07RA001

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	207.081	207.285	206.487	207.548	208.387	207.893	207.784	208.443	---	---	---	1
2	---	207.092	207.303	206.489	207.681	208.325	207.888	207.838	208.413	---	---	---	2
3	---	207.088	207.300	206.581	207.826	208.277	207.848	207.817	208.358	---	---	---	3
4	207.553	207.106	207.270	206.638	207.987	208.284	207.898	207.887	208.111	---	---	---	4
5	207.482	207.153	207.208	206.740	---	208.248	207.781	207.735	208.067	---	---	---	5
6	---	207.288	207.138	206.787	---	208.302	207.811	207.822	208.018	---	---	---	6
7	---	207.353	207.033	206.821	---	208.282	207.888	207.889	207.918	---	---	---	7
8	---	207.388	206.933	206.841	---	208.338	208.087	207.897	207.884	---	---	---	8
9	---	207.414	206.877	206.883	---	208.487	208.238	207.745	207.807	---	206.513	---	9
10	---	207.431	206.807	206.883	---	208.478	208.304	208.038	207.888	---	208.810	---	10
11	---	207.378	206.808	206.909	---	208.482	208.328	208.241	207.471	---	208.948	---	11
12	---	207.333	206.844	206.950	---	208.418	208.277	208.348	207.381	207.188	208.783	---	12
13	---	207.283	206.890	206.943	---	208.367	208.228	208.348	207.386	207.188	207.270	---	13
14	---	207.384	206.922	206.917	---	208.307	208.180	208.348	207.453	207.187	207.317	---	14
15	---	207.321	206.917	206.917	---	208.230	208.183	208.117	207.888	207.207	207.382	---	15
16	---	207.378	206.900	206.878	---	208.173	208.322	208.022	207.838	207.207	207.488	---	16
17	---	207.408	206.844	206.840	---	208.282	208.483	208.004	207.848	207.082	207.583	---	17
18	---	207.471	206.841	206.810	---	208.381	208.488	207.900	207.810	207.018	207.818	---	18
19	206.878	207.520	206.878	206.814	---	208.282	208.382	207.818	207.818	207.082	207.834	---	19
20	206.888	207.532	206.887	206.784	---	208.218	208.373	207.888	207.422	207.032	---	---	20
21	206.848	207.520	206.882	206.834	---	208.185	208.342	208.038	207.388	207.082	---	---	21
22	206.888	207.838	206.808	206.813	---	208.142	208.184	208.034	207.318	207.082	---	---	22
23	206.908	207.811	206.732	206.883	207.870	208.083	207.988	207.983	207.222	207.060	---	---	23
24	206.838	207.488	206.888	207.043	207.805	208.088	207.983	207.884	207.203	207.107	---	---	24
25	206.951	207.418	206.888	207.048	207.832	207.984	207.887	208.047	207.183	207.088	---	---	25
26	207.030	207.388	206.884	207.044	207.778	207.881	207.886	208.138	207.223	207.034	---	---	26
27	207.057	207.380	206.874	207.057	207.888	207.894	207.800	208.184	---	207.088	---	---	27
28	207.087	207.338	206.888	207.148	208.141	207.833	207.744	208.142	---	207.038	---	---	28
29	207.071		206.842	207.278	208.252	207.728	207.704	208.183	---	208.577	---	---	29
30	207.047		206.858	207.430	208.263	207.887	207.739	208.324	---	207.021	---	---	30
31	207.088		206.488		208.337		207.777	208.431		---		---	31
MEAN	---	207.348	206.888	206.887	---	208.184	208.041	208.002	---	---	---	---	MEAN
MAX	---	207.532	207.303	207.430	---	208.487	208.488	208.431	---	---	---	---	MAX
MIN	---	207.082	206.488	206.487	---	207.887	207.848	207.888	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 59 30 N
LONG 111 24 00 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REGULATED SINCE 1987

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

RIVIERE DES ROCHERS EAST OF LITTLE RAPIDS - STATION NO. 07RA007

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	208.328	208.077	208.028	207.741	208.004	208.888	209.042	209.188	209.058	209.092	208.853	208.538	1
2	208.309	208.070	208.041	207.738	208.083	208.888	209.023	209.231	209.038	208.940	208.888	208.581	2
3	208.288	208.087	208.028	207.721	208.181	208.883	209.082	209.378	208.942	208.888	208.898	208.898	3
4	---	208.084	208.023	207.740	208.248	208.934	209.038	209.288	208.918	208.772	208.881	208.817	4
5	---	208.071	208.021	207.780	208.388	208.880	208.184	209.184	208.944	208.848	208.881	208.848	5
6	---	208.074	208.013	207.782	208.884	209.070	208.877	209.141	208.814	208.928	208.874	208.887	6
7	---	208.078	207.885	207.781	208.787	208.848	209.028	209.142	208.778	208.880	208.834	208.840	7
8	---	208.088	207.854	207.747	208.841	208.850	209.087	209.187	208.782	208.824	208.883	208.818	8
9	---	208.088	207.808	207.748	208.388	209.128	209.117	209.207	208.833	208.848	208.810	208.881	9
10	---	208.074	207.817	207.788	208.188	209.078	208.127	209.234	208.880	208.812	208.828	208.884	10
11	---	208.088	207.823	207.780	208.804	208.858	208.143	208.228	208.882	208.858	208.488	208.812	11
12	---	208.048	207.808	207.727	208.817	208.883	208.143	208.287	---	208.882	208.488	208.888	12
13	---	208.038	207.898	207.723	208.881	208.823	208.134	208.281	---	208.881	208.448	208.802	13
14	---	---	207.810	207.728	208.888	208.800	208.148	208.248	---	208.888	208.473	208.807	14
15	---	---	207.808	207.718	208.810	208.858	208.182	208.208	---	208.804	208.518	208.871	15
16	---	---	207.887	207.880	208.818	208.824	208.183	208.218	---	208.821	208.883	---	16
17	---	---	207.888	207.878	208.802	208.823	208.218	208.322	---	208.803	208.881	---	17
18	---	---	207.908	207.874	208.844	208.822	208.147	208.218	---	208.854	208.882	---	18
19	208.188A	---	207.880	207.887	208.748	208.880	208.127	208.128	---	208.803	208.858	---	19
20	208.180	---	207.883	207.882	208.878	208.883	208.231	208.288	208.084A	208.817	208.883	---	20
21	208.137	---	207.888	207.878	208.778	208.888	208.212	208.448	208.108	208.882	208.872	---	21
22	208.114	---	207.882	207.884	208.884	208.888	208.138	208.374	208.048	208.841	208.880	---	22
23	208.123	208.108A	207.838	207.880	208.880	208.887	209.083	209.231	208.000	208.877	208.888	---	23
24	208.147	208.080	207.828	207.713	208.887	208.180	208.244	208.185	208.023	208.828	208.888	---	24
25	208.131	208.071	207.838	207.718	208.878	208.101	208.248	208.183	208.082	208.874	208.881	---	25
26	208.130	208.068	207.823	207.724	208.882	208.138	208.208	208.183	208.070	208.805	208.838	---	26
27	208.100	208.027	207.810	207.784	208.730	208.123	208.200	208.218	208.857	208.029	208.834	---	27
28	208.118	208.018	207.830	207.780	208.809	208.043	208.173	208.180	208.023	208.817	208.848	---	28
29	208.081		207.808	207.881	208.858	208.888	208.088	208.134	208.082	208.848	208.800	---	29
30	208.083		207.788	207.848	208.843	208.008	208.148	208.082	208.280	208.821	208.842	---	30
31	208.084		207.780		208.834		208.188	208.081		208.788		---	31
MEAN	---	---	207.883	207.738	208.728	208.012	208.130	208.218	---	208.818	208.848	---	MEAN
MAX	---	---	208.041	207.848	208.787	208.180	208.248	208.448	---	208.882	208.883	---	MAX
MIN	---	---	207.780	207.882	208.004	208.883	208.077	208.081	---	208.772	208.448	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 208.787 ON MAY 7

MAXIMUM INSTANTANEOUS,
208.818 AT 12:05 MST ON MAY 7

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 54 55 N
LONG 111 10 30 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

A - MANUAL GAUGE

REGULATED SINCE 1987

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

RIVIERE DES ROCHERS WEST OF LITTLE RAPIDS - STATION NO. 07NA005

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	207.708	---	207.331	206.885	207.848	208.423	207.778	---	208.848	207.382	208.648	208.479	1
2	207.848	---	207.328	206.588	207.743	208.380	207.748	---	208.478	207.238	208.882	208.374	2
3	207.882	---	207.332	206.839	207.801	208.324	207.740	---	208.383	207.218	208.882	208.262	3
4	207.881	207.337	207.334	206.741	208.058	208.321	207.784	208.074	208.248	207.131	208.838	208.177	4
5	---	207.381	207.312	208.814	208.274	208.313	207.888	207.884	208.180	207.121	208.488	208.189	5
6	---	207.370	207.288	208.888	208.722	208.373	207.878	207.782	208.108	207.132	208.347	208.178	6
7	---	207.381	207.218	208.882	208.848	208.348	208.088	207.738	208.082	207.188	208.338	208.303	7
8	---	207.434	207.188	208.814	208.685	208.388	208.141	---	208.007	207.180	208.410	208.280	8
9	---	207.413	207.088	208.822	208.383	208.848	208.288	---	207.848	207.172	208.444	208.301	9
10	---	207.404	207.013	208.848	208.218	208.831	208.347	---	207.818	207.181	208.871	208.388	10
11	207.138	207.378	208.888	208.883	208.718	208.487	208.378	---	207.888	207.251	208.708	208.380	11
12	207.228	207.320	208.882	207.881	208.841	208.488	208.348	---	207.828	207.274	208.887	208.342	12
13	207.308	207.287	208.884	207.883	207.823	208.422	208.288	---	207.838	207.280	207.872	208.344	13
14	207.388	207.288	208.883	208.881	207.807	208.381	208.280	208.388	207.888	207.278	207.824	208.328	14
15	207.441	207.333	208.882	208.873	207.884	208.270	208.288	208.223	207.880	207.284	207.888	208.388	15
16	207.808	207.377	208.821	208.818	207.888	208.200	208.381	208.182	207.747	207.318	208.088	---	16
17	207.848	207.428	208.882	208.880	208.003	208.280	208.818	208.138	207.413	207.181	208.117	---	17
18	207.808	207.488	208.888	208.848	207.882	208.338	208.812	208.032	207.843	207.148	208.143	---	18
19	207.487	207.482	207.884	208.830	208.008	208.381	208.488	207.883	207.800	207.187	208.180	---	19
20	207.434	207.814	207.818	208.884	208.041	208.283	208.478	208.018	207.818	207.187	208.188	---	20
21	207.388	207.817	207.823	208.888	207.847	208.221	208.443	208.214	207.818	207.188	208.212	---	21
22	207.383	207.838	207.831	208.888	207.787	208.182	208.284	208.188	207.413	207.223	208.247	---	22
23	207.388	207.838	207.838	207.888	207.888	208.137	208.188	208.128	207.383	207.233	208.287	---	23
24	207.413	207.484	207.817	207.118	207.870	208.147	---	208.078	207.328	207.233	208.388	---	24
25	207.412	207.448	208.878	207.123	207.881	208.014	---	208.178	207.340	207.210	208.388	---	25
26	207.381	207.421	208.832	207.127	207.871	207.848	---	208.244	207.387	207.188	208.387	---	26
27	207.381	207.387	208.880	207.182	208.082	207.847	---	208.280	207.308	207.282	208.381	---	27
28	207.328	207.388	208.778	207.244	208.188	207.900	---	208.271	207.308	207.188	208.431	---	28
29	---		208.788	207.370	208.318	207.808	---	208.311	207.341	207.118	208.481	207.882	29
30	---		208.788	207.838	208.318	207.748	---	208.484	207.488	207.188	208.807	207.808	30
31	---		208.747		208.380		---	208.837		207.083		207.473	31
MEAN	---	---	207.821	208.883	208.222	208.248	---	---	207.723	207.207	207.818	---	MEAN
MAX	---	---	207.334	207.828	208.848	208.848	---	---	208.848	207.382	208.807	---	MAX
MIN	---	---	208.747	208.888	207.848	207.748	---	---	207.308	207.083	208.338	---	MIN

SUMMARY FOR THE YEAR 1989

WATER LEVELS IN METRES

MAXIMUM DAILY, 208.848 ON MAY 7

MAXIMUM INSTANTANEOUS,
210.787 AT 03:30 MST ON MAY 7

TYPE OF GAUGE - MANUAL
LOCATION - LAT 58 55 35 N
LONG 111 13 15 W

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REGULATED SINCE 1987

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

ROBERT CREEK NEAR ANZAC - STATION NO. 07CE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0018	0.0018	0.742	0.128	0.387	0.188	0.083	0.884	---	---	1
2	---	---	0.0018	0.0018	0.877	0.888	1.80	0.174	0.082	0.384	---	---	2
3	---	---	0.0018	0.0018	0.634	0.779	2.34	0.188	0.048	0.318	---	---	3
4	---	---	0.0018	0.0018	0.818	0.714	1.83	0.188	0.843	0.282	---	---	4
5	---	---	0.0018	0.0018	0.888	0.888	1.88	0.187	0.034	0.248	---	---	5
6	---	---	0.0018	0.0088	0.883	0.887	1.38	0.182	0.024	0.221	---	---	6
7	---	---	0.0028	0.0028	0.582	0.728	1.20	0.137	0.047	0.188	---	---	7
8	---	---	0.0068	0.0018	0.580	0.720	1.08	0.124	0.087	0.182	---	---	8
9	---	---	0.0068	0.0018	0.521	0.748	0.982	0.118	0.080	0.188	---	---	9
10	---	---	0.0028	0.0018	0.507	0.888	0.900	0.097	0.071	0.178	---	---	10
11	---	---	0.0018	0.0118	0.538	0.828	0.788	0.088	0.074	0.188	---	---	11
12	---	---	0.0018	0.0178	0.748	0.818	0.728	0.078	0.088	0.188	---	---	12
13	---	---	0.0018	0.0148	0.880	0.438	0.883	0.088	0.088	0.148	---	---	13
14	---	---	0.0018	0.0118	0.588	0.380	0.802	0.085	0.081	0.144	---	---	14
15	---	---	0.0018	0.0088	0.514	0.337	0.834	0.088	0.142	0.138	---	---	15
16	---	---	0.0018	0.0078	0.488	0.323	0.487	0.080	0.188	0.128	---	---	16
17	---	---	0.0018	0.0058	0.488	0.348	0.388	0.042	0.158	0.122	---	---	17
18	---	---	0.0018	0.0198	0.847	0.370	0.358	0.038	0.188	0.131	---	---	18
19	---	---	0.0018	0.0258	1.01	0.330	0.328	0.032	0.181	0.130	---	---	19
20	---	---	0.0018	0.0488	3.84 A	0.488	0.288	0.028	0.180	0.130	---	---	20
21	---	---	0.0028	0.0858	3.77 A	0.788	0.302	0.028	0.142	0.128	---	---	21
22	---	---	0.0038	0.0808	3.33	0.884	0.303	0.048	0.141	0.124	---	---	22
23	---	---	0.0048	0.1008	2.88	0.838	0.281	0.072	0.148	0.118	---	---	23
24	---	---	0.0018	0.1408	2.17	0.448	0.248	0.088	0.144	0.118	---	---	24
25	---	---	0.0018	0.1858	1.83	0.408	0.341	0.078	0.148	0.118	---	---	25
26	---	---	0.0018	0.2508	1.61	0.384	0.320	0.088	0.132	0.117	---	---	26
27	---	---	0.0018	0.3508	1.51	0.332	0.273	0.078	0.121	0.1148	---	---	27
28	---	---	0.0018	0.4408	1.33	0.298	0.238	0.073	0.112	0.1088	---	---	28
29	---		0.0028	0.5008	1.20	0.280	0.215	0.074	0.113	0.0928	---	---	29
30	---		0.0018	0.858	1.07	0.288	0.208	0.088	0.353	0.0778	---	---	30
31	---		0.0018		0.951		0.188	0.057		0.0828		---	31
TOTAL	---	---	0.051	3.031	38.851	18.087	21.472	2.724	3.287	5.337	---	---	TOTAL
MEAN	---	---	0.002	0.101	1.19	0.538	0.883	0.088	0.110	0.172	---	---	MEAN
MAX	---	---	0.008	0.858	3.84	0.928	2.34	0.188	0.383	0.884	---	---	MAX
MIN	---	---	0.001	0.001	0.488	0.288	0.188	0.028	0.034	0.082	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.383
MAXIMUM DAILY, 3.84A ON MAY 20
MINIMUM DAILY, 0.001B ON MAR 1
MAXIMUM INSTANTANEOUS,
4.37 AT 16:26 MST ON MAY 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 23 01 N
LONG 111 01 42 W
DRAINAGE AREA, 54.1 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 880
FEB	---	AUG	235
MAR	4.61	SEP	284
APR	282	OCT	461
MAY	3 180	NOV	---
JUN	1 880	DEC	---

TOTAL DISCHARGE, 7 880 dam³

ROLPH CREEK NEAR KIMBALL - STATION NO. 05AE006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.4888	0.221	0.272	0.158	0.074	0.153	0.127	0.1048	---	1
2	---	---	0 B	0.3228	0.249	0.302	0.143	0.077	0.166	0.123	---	---	2
3	---	---	0 B	0.3408	0.242	0.318	0.130	0.074	0.162	0.121	---	---	3
4	---	---	0 B	0.2678	0.232	0.306	0.110	0.068	0.168	0.142	---	---	4
5	---	---	0 B	0.238	0.228	0.287	0.089	0.073	0.188	0.142	---	---	5
6	---	---	0 B	0.276	0.215	0.284	0.088	0.075	0.173	0.144	---	---	6
7	---	---	0 B	0.258	0.180	0.242	0.100	0.072	0.165	0.145	---	---	7
8	---	---	0 B	0.255	0.172	0.223	0.088	0.074	0.161	0.148	---	---	8
9	---	---	0 B	0.228	0.155	0.208	0.100	0.074	0.162	0.147	---	---	9
10	---	---	0.0108	0.260	0.148	0.270	0.112	0.074	0.163	0.148	---	---	10
11	---	---	0.1208	0.222	0.138	1.33	0.114	0.078	0.180	0.148	---	---	11
12	---	---	0.2208	0.215	0.123	1.02	0.108	0.071	0.180	0.148	---	---	12
13	---	---	0.3088	0.214	0.115	0.820	0.140	0.070	0.158	0.151	---	---	13
14	---	---	0.2308	0.213	0.107	0.657	0.184	0.070	0.155	0.150	---	---	14
15	---	---	0.0808	0.211	0.107	0.788	0.155	0.082	0.148	0.149	---	---	15
16	---	---	0.0388	0.204	0.101	0.678	0.180	0.084	0.144	0.150	---	---	16
17	---	---	0.0308	0.202	0.098	0.548	0.161	0.084	0.152	0.171	---	---	17
18	---	---	0.0288	0.181	0.096	0.463	0.171	0.087	0.175	0.180	---	---	18
19	---	---	0.0278	0.200	0.098	0.388	0.157	0.087	0.183	0.178	---	---	19
20	---	---	0.0288	0.200	0.080	0.347	0.138	0.084	0.188	0.172	---	---	20
21	---	---	0.0288	0.200	0.084	0.303	0.126	0.081	0.175	0.170	---	---	21
22	---	---	0.0988	0.188	0.088	0.288	0.112	0.077	0.174	0.184	---	---	22
23	---	---	0.1278	0.188	0.082	0.248	0.100	0.081	0.172	0.181	---	---	23
24	---	---	0.5428	0.158	0.100	0.234	0.090	0.095	0.159	0.188	---	---	24
25	---	---	1.32 B	0.158	0.113	0.251	0.091	0.148	0.147	0.150	---	---	25
26	---	---	1.81 B	0.158	0.114	0.230	0.084	0.158	0.140	0.144	---	---	26
27	---	---	1.84 B	0.172	0.130	0.215	0.080	0.188	0.137	0.141	---	---	27
28	---	---	1.26 B	0.198	0.138	0.208	0.088	0.187	0.132	0.138	---	---	28
29	---		0.9238	0.214	0.185	0.188	0.082	0.188	0.123	0.1188	---	---	29
30	---		0.6038	0.208	0.228	0.162	0.077	0.203	0.122	0.1338	---	---	30
31	---		0.5328		0.252		0.077	0.201		0.1328		---	31
TOTAL	---	---	10.134	6.782	4.709	12.288	3.671	3.128	4.780	4.892	---	---	TOTAL
MEAN	---	---	0.327	0.228	0.152	0.410	0.118	0.101	0.159	0.148	---	---	MEAN
MAX	---	---	1.81	0.488	0.252	1.33	0.181	0.203	0.183	0.180	---	---	MAX
MIN	---	---	0	0.155	0.084	0.162	0.077	0.068	0.122	0.115	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.204
MAXIMUM DAILY, 1.818 ON MAR 26
MINIMUM DAILY, 08 ON MAR 1
MAXIMUM INSTANTANEOUS,
2.838 AT 21:00 MST ON MAR 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 07 30 N
LONG 113 08 30 W
DRAINAGE AREA, 221 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	317
FEB	---	AUG	270
MAR	878	SEP	413
APR	586	OCT	387
MAY	407	NOV	---
JUN	1 060	DEC	---

TOTAL DISCHARGE, 4 330 dam³

ROMEO CREEK ABOVE ROMEO LAKE - STATION NO. 07BB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.3008	0	0.013	0.001	0.018	0	0	08	---	1
2	---	---	---	0.5008	0	0.008	0.008	0.588	0	0	---	---	2
3	---	---	---	0.8008	0	0.004	0.013	5.73	0	0	---	---	3
4	---	---	---	1.05 B	0	0.003	0.008	7.24	0.001	0	---	---	4
5	---	---	---	1.00 B	0	0.001	0.002	5.37	0.001	0	---	---	5
6	---	---	---	0.8448	0	0	0	3.88	0	0	---	---	6
7	---	---	---	0.8508	0	0	0	2.42	0	0	---	---	7
8	---	---	---	0.7508	0	0	0.083	1.88	0	0	---	---	8
9	---	---	---	0.6508	0.001	0	0.827	1.14	0	0	---	---	9
10	---	---	---	0.5478	0.001	0	1.03	0.886	0	0	---	---	10
11	---	---	---	0.5508	0.002	0	0.452	0.870	0	0	---	---	11
12	---	---	---	0.5508	0.003	0	0.137	0.488	0	0	---	---	12
13	---	---	---	0.5708	0.008	0	0.084	0.343	0.038	0	---	---	13
14	---	---	---	0.5858	0.008	0	0.020	0.238	0.022	0	---	---	14
15	---	---	---	0.5008	0.012	0	0.004	0.180	0.003	0	---	---	15
16	---	---	---	0.4008	0.018	0	0.003	0.184	0.001	0	---	---	16
17	---	---	---	0.3208	0.023	0	0.002	0.088	0.001	0	---	---	17
18	---	---	---	0.2408	0.033	0	0.002	0.038	0	0	---	---	18
19	---	---	---	0.180E	0.053	0	0.002	0.018	0	0	---	---	19
20	---	---	---	0.098A	0.122	0	0.007	0.007	0	0	---	---	20
21	---	---	---	0.053	0.278	0	0.013	0.004	0.004	0	---	---	21
22	---	---	---	0.033	0.283	0	0.007	0.0028	0	0	---	---	22
23	---	---	---	0.018	0.281	0	0.002	0.001	0	0	---	---	23
24	---	---	---	0.010	0.180	0	0.001	0.001	0	0	---	---	24
25	---	---	---	0.004	0.145	0	0	0.001	0	08	---	---	25
26	---	---	---	0.001	0.108	0	0	0.013	0	08	---	---	26
27	---	---	---	0	0.087	0	0	0.008	0	08	---	---	27
28	---	---	---	0	0.068	0	0	0.003	0	08	---	---	28
29	---		---	0	0.048	0	0	0.001	0	08	---	---	29
30	---		---	0	0.033	0	0	0.001	0	08	---	---	30
31	---		08		0.030		0	0		08		---	31
TOTAL	---	---	---	11.488	1.788	0.028	2.844	30.700	0.072	0	---	---	TOTAL
MEAN	---	---	---	0.383	0.058	0.001	0.088	0.990	0.002	0	---	---	MEAN
MAX	---	---	---	1.05	0.283	0.013	1.03	7.24	0.038	0	---	---	MAX
MIN	---	---	---	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 7.24 ON AUG 4
MINIMUM DAILY, 08 ON MAR 31
MAXIMUM INSTANTANEOUS,
8.08 AT 15:15 MST ON AUG 3

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 04 30 N
LONG 114 04 05 W
DRAINAGE AREA, 115 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	238
FEB	---	AUG	3 880
MAR	---	SEP	8.22
APR	882	OCT	0
MAY	154	NOV	---
JUN	2.42	DEC	---

RONALANE WASTEWAY NEAR HAYS - STATION NO. 05BN007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0	0.485	0.357	0.374	0.578	0.183	0.027	---	1
2	---	---	---	---	0	0.331	0.431	0.500	0.681	0.286	0.027	---	2
3	---	---	---	---	0	0.084	0.413	0.513	0.533	0.277	0.0208	---	3
4	---	---	---	---	0	0.228	0.131	0.388	0.514	0.380	0.0178	---	4
5	---	---	---	---	0	0.256	0.230	0.540	0.491	0.345	0.039	---	5
6	---	---	---	---	0	0.378	0.810	0.327	0.388	0.428	0.0288	---	6
7	---	---	---	---	0	0.882	0.381	0.274	0.388	0.515	---	---	7
8	---	---	---	---	0	0.485	0.418	0.021	0.486	0.312	---	---	8
9	---	---	---	---	0	0.597	0.282	0.238	0.488	0.107	---	---	9
10	---	---	---	---	0	0.508	0.483	0.285	0.468	0.402	---	---	10
11	---	---	---	---	0	0.722	0.284	0.148	0.508	0.315	---	---	11
12	---	---	---	---	0	0.874	0.118	0.428	0.482	0.235	---	---	12
13	---	---	---	---	0	0.688	0.890	0.410	0.288	0.178	---	---	13
14	---	---	---	---	0	0.868	0.870	0.882	0.232	0.180	---	---	14
15	---	---	---	---	0	0.841	0.488	0.324	0.324	0.159	---	---	15
16	---	---	---	---	0	0.548	0.858	0.185	0.335	0.148	---	---	16
17	---	---	---	---	0	0.833	0.880	0.138	0.280	0.108	---	---	17
18	---	---	---	---	0.880	1.07	0.817	0.234	0.478	0.111	---	---	18
19	---	---	---	---	0.812	1.00	0.383	0.223	0.448	0.082	---	---	19
20	---	---	---	---	0.882	0.431	0.449	0.271	0.435	0.048	---	---	20
21	---	---	---	---	0.848	0.207	0.288	0.232	0.474	0.031	---	---	21
22	---	---	---	---	0.418	0.328	0.388	0.128	0.438	0.048	---	---	22
23	---	---	---	---	0.444	0.418	0.448	0.277	0.481	0.037	---	---	23
24	---	---	---	---	0.781	0.837	0.331	0.520	0.344	0.063	---	---	24
25	---	---	---	---	0.781	0.432	0.302	0.481	0.371	0.034	---	---	25
26	---	---	---	---	0.585	0.468	0.387	0.773	0.278	0.034	---	---	26
27	---	---	---	---	0.532	0.518	0.400	0.728	0.208	0.040	---	---	27
28	---	---	---	---	0.878	0.472	0.828	0.843	0.083	0.038	---	---	28
29	---	---	---	---	0.842	0.884	0.232	0.488	0.035	0.028	---	---	29
30	---	---	---	---	0.772	0.328	0.278	0.570	0.040	0.023	---	---	30
31	---	---	---	---	0.811		0.492	0.821		0.027	---	---	31
TOTAL	---	---	---	---	8.024	15.387	13.071	12.249	11.444	5.178	---	---	TOTAL
MEAN	---	---	---	---	0.288	0.513	0.422	0.395	0.381	0.167	---	---	MEAN
MAX	---	---	---	---	0.842	1.07	0.870	0.810	0.681	0.515	---	---	MAX
MIN	---	---	---	---	0	0.084	0.118	0.021	0.035	0.023	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.380
MAXIMUM DAILY, 1.07 ON JUN 18
MINIMUM DAILY, 0 ON MAY 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 02 40 N
LONG 111 38 00 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 130
FEB	---	AUG	1 080
MAR	---	SEP	888
APR	---	OCT	447
MAY	771	NOV	---
JUN	1 330	DEC	---

TOTAL DISCHARGE, 6 730 dam³

ROSE CREEK NEAR ALDER FLATS - STATION NO. 05DE007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0728	0.1228	2.56	2.47	1.82	0.838	3.21	0.526	5.05	---	1
2	---	---	0.0728	0.1188	2.63	2.16	1.66	3.86	2.82	0.533	4.87	---	2
3	---	---	0.0738	0.1778	2.93	1.66	1.84	25.7	4.13	0.804	5.03	---	3
4	---	---	0.0818	0.3468	3.18	1.58	1.42	38.2	4.88	0.838	5.21	---	4
5	---	---	0.0478	0.8218	2.88	1.38	1.28	34.8	3.46	0.832	5.81	---	5
6	---	---	0.0888	0.4388	2.77	1.20	1.20	20.8	2.80	0.852	5.81	---	6
7	---	---	0.0788	0.8068	3.08	1.31	1.18	13.3	2.88	0.588	5.47A	---	7
8	---	---	0.0848	0.4748	3.01	0.871	2.35	8.07	2.30	0.894	---	---	8
9	---	---	0.0718	0.8588	3.81	1.16	4.78	8.38	2.28	0.858	---	---	9
10	---	---	0.0818	0.8638	2.81	1.83	10.3	5.02	1.88	0.787	---	---	10
11	---	---	0.0868	1.83 B	2.35	1.88	15.2	4.80	1.72	1.48	---	---	11
12	---	---	0.0898	4.42 B	2.58	1.88	14.5	3.74	1.62	1.82	---	---	12
13	---	---	0.0818	8.10 B	2.30	1.31	10 1	2.84	1.41	1.81	---	---	13
14	---	---	0.0888	12.3 B	1.88	1.07	8.88	2.84	1.21	1.48	---	---	14
15	---	---	0.0708	8.41 B	1.73	1.02	5.10	2.11	1.08	1.84	---	---	15
16	---	---	0.0708	5.22 B	1.80	1.08	4.88	2.75	0.888	2.02	---	---	16
17	---	---	0.0828	3.37 B	1.87	1.50	5.42	7.30	0.842	1.82	---	---	17
18	---	---	0.0888	3.21 B	1.88	1.71	4.24	8.70	0.825	1.88	---	---	18
19	---	---	0.0878	3.33	3.17	1.37	3.28	5.02	0.842	1.87	---	---	19
20	---	---	0.0968	2.87	18.8	1.11	2.70	4.01	0.898	1.53	---	---	20
21	---	---	0.0848	2.81	13.7	0.880	2.21	3.75	0.830	1.82	---	---	21
22	---	---	0.0888	2.83	9.38	0.938	2.30	4.48	0.830	1.43	---	---	22
23	---	---	0.0888	3.34	7.18	0.898	2.11	4.84	0.772	1.35	---	---	23
24	---	---	0.0898	4.88	7.00	0.782	1.78	3.48	0.743	2.02	---	---	24
25	---	---	0.0978	4.84	6.87	0.843	1.48	2.81	0.720	20.2	---	---	25
26	---	---	0.0888	4.21	5.75	0.848	1.24	2.88	2.27	17.2	---	---	26
27	---	---	0.1018	3.84	4.88	1.07	1.03	2.88	1.18	11.3	---	---	27
28	---	---	0.1088	3.37	4.48	2.08	0.940	2.75	0.884	8.50	---	---	28
29	---		0.1178	3.03	3.84	2.18	0.818	2.82	0.868	8.77	---	---	29
30	---		0.1148	2.84	3.18	1.80	0.724	2.88	0.832	8.87	---	---	30
31	---		0.1248		2.88		0.874	3.03		8.89	---	---	31
TOTAL	---	---	2.802	82.754	133.30	41.448	118.823	234.808	51.140	104.710	---	---	TOTAL
MEAN	---	---	0.081	3.09	4.30	1.38	3.73	7.58	1.70	3.38	---	---	MEAN
MAX	---	---	0.124	12.3	18.8	2.47	18.2	38.2	4.88	20.2	---	---	MAX
MIN	---	---	0.047	0.118	1.88	0.848	0.874	0.838	0.832	0.528	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.17
MAXIMUM DAILY, 38.2 ON AUG 4
MINIMUM DAILY, 0.0478 ON MAR 5
MAXIMUM INSTANTANEOUS,
42.7 AT 23:50 MST ON AUG 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 55 48 N
LONG 115 00 38 W
DRAINAGE AREA, 851 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	8 880
FEB	---	AUG	20 300
MAR	218	SEP	4 420
APR	8 010	OCT	9 050
MAY	11 500	NOV	---
JUN	3 880	DEC	---

TOTAL DISCHARGE, 87 100 dam³

ROSEBUD RIVER AT REDLAND - STATION NO. 05CE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	11.4 B	1.12	1.70	2.47	1.42	3.87	1.07	---	---	1
2	---	---	0 B	10.3 B	1.07	1.67	2.34	1.32	4.03	1.12	---	---	2
3	---	---	0 B	12.5 B	0.985	1.60	2.59	1.18	4.88	1.18	---	---	3
4	---	---	0 B	9.90 B	0.948	1.53	2.86	1.34	5.12	1.16	---	---	4
5	---	---	0 B	8.94 B	0.906	2.27	2.40	1.51	5.06	1.03	---	---	5
6	---	---	0 B	8.45 B	0.906	2.14	2.22	1.63	5.26	0.902	---	---	6
7	---	---	0 B	7.45 B	0.891	1.76	2.16	1.77	5.13	0.896	---	---	7
8	---	---	0 B	6.97 B	0.856	1.72	2.14	1.83	5.00	0.898	---	---	8
9	---	---	0 B	4.77 B	1.19	1.84	1.83	1.87	4.82	0.719	---	---	9
10	---	---	0 B	4.64 B	1.80	2.38	1.81	1.84	4.86	0.823	---	---	10
11	---	---	0 B	3.88 B	1.33	3.05	1.98	2.12	4.68	0.487	---	---	11
12	---	---	0 B	3.46 B	1.23	4.65	3.88	2.24	4.88	0.456	---	---	12
13	---	---	0 B	3.13 B	1.15	4.38	4.86	1.88	4.39	0.467	---	---	13
14	---	---	0 B	2.97 B	1.15	3.36	4.87	1.71	3.73	0.458	---	---	14
15	---	---	0 B	2.70 B	1.15	2.88	3.87	1.83	3.40	0.442	---	---	15
16	---	---	0 B	2.82 B	1.18	3.16	3.27	1.82	3.12	0.434	---	---	16
17	---	---	0 B	2.30 B	1.18	3.15	3.22	2.12	2.88	0.388	---	---	17
18	---	---	0 B	2.05	0.978	3.48	3.09	2.86	2.73	0.372	---	---	18
19	---	---	0 B	2.05	1.86	3.48	2.82	2.83	2.86	0.380	---	---	19
20	---	0B	0 B	1.98	1.81	3.41	2.86	2.77	2.81	0.347	---	---	20
21	---	0B	0 B	1.81	2.06	3.22	2.13	3.07	2.36	0.330	---	---	21
22	---	0B	0 B	1.81	2.09	3.24	1.88	3.36	2.26	0.322	---	---	22
23	---	0B	0.0018	1.42	2.11	3.04	1.87A	3.86	2.07	0.344	---	---	23
24	---	0B	0.0028	1.28	2.34	3.00	1.88E	3.78	1.80	0.293	---	---	24
25	---	0B	0.0038	1.23	2.84	3.07	1.88A	3.72	1.77	0.270	---	---	25
26	---	0B	0.0048	1.14	2.75	3.23	1.98	3.48	1.88	0.288	---	---	26
27	---	0B	0.0058	1.17	2.53	3.89	1.85	3.22	1.86	0.281	---	---	27
28	---	0B	0.0328	1.19	2.22	3.94	1.82	3.00	1.43	0.243	---	---	28
29	---		1.40 B	1.20	2.04	3.11	1.47	3.08	1.33	0.215	---	---	29
30	---		2.08 B	1.17	2.06	2.78	1.42	3.14	1.24	0.242	---	---	30
31	---		5.07 B		1.93		1.43	3.87		0.289A		---	31
TOTAL	---	---	8.897	126.88	48.012	85.81	74.42	74.78	100.88	18.381	---	---	TOTAL
MEAN	---	---	0.277	4.19	1.55	2.85	2.40	2.41	3.36	0.826	---	---	MEAN
MAX	---	---	5.07	12.5	2.75	4.65	4.87	3.78	5.26	1.18	---	---	MAX
MIN	---	---	0	1.14	0.856	1.53	1.42	1.18	1.24	0.215	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.18
MAXIMUM DAILY, 13.88 ON APR 3
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
14.78 AT 03:16 MST ON APR 3

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 17 38 N
LONG 113 00 34 W
DRAINAGE AREA, 3 880 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	9 430
FEB	---	AUG	9 480
MAR	743	SEP	8 700
APR	10 900	OCT	1 420
MAY	6 180	NOV	---
JUN	7 400	DEC	---

TOTAL DISCHARGE, 44 200 dam³

ROSEBUD RIVER BELOW CARSTAIRS CREEK - STATION NO. 05CE006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.5888	0.148	0.024	0.152	0.088	0.025	0.042	0.0498	---	1
2	---	---	0 B	0.5748	0.120	0.021	0.121	0.087	0.018	0.048	---	---	2
3	---	---	0 B	0.5898	0.108	0.034	0.112	0.088	0.024	0.042	---	---	3
4	---	---	0 B	0.7138	0.102	0.008	0.086	0.082	0.018	0.038	---	---	4
5	---	---	0 B	0.6008	0.090	0.009	0.080	0.082	0.088	0.041	---	---	5
6	---	---	0 B	0.4898	0.084	0.011	0.088	0.034	0.048	0.042	---	---	6
7	---	---	0 B	0.3838	0.070	0.032	0.078	0.028	0.032	0.040	---	---	7
8	---	---	0 B	0.3638	0.084	0.018	0.078	0.017	0.038	0.040	---	---	8
9	---	---	0 B	0.4108	0.057	0.035	0.078	0.010	0.032	0.038	---	---	9
10	---	---	0 B	0.4588	0.052	0.024	0.188	0.007	0.039	0.037	---	---	10
11	---	---	0 B	0.8488	0.044	0.011	0.183	0.004	0.080	0.041	---	---	11
12	---	---	0 B	0.7208	0.050	0.011	0.202	0.002	0.040	0.053	---	---	12
13	---	---	0 B	0.784	0.048	0.040	0.208	0	0.040	0.054	---	---	13
14	---	---	0 B	0.810	0.048	0.021	0.183	0	0.048	0.048	---	---	14
15	---	---	0 B	0.884	0.038	0.016	0.184	0	0.014	0.044	---	---	15
16	---	---	0 B	0.871	0.044	0.041	0.288	0	0.018	0.041	---	---	16
17	---	---	0 B	0.722	0.042	0.053	0.288	0	0.038	0.038	---	---	17
18	---	---	0 B	0.488	0.040	0.038	0.228	0	0.034	0.038	---	---	18
19	---	---	0 B	0.342	0.043	0.038	0.182	0	0.027	0.050	---	---	19
20	---	---	0 B	0.278	0.033	0.032	0.172	0.005	0.022	0.031	---	---	20
21	---	0B	0 B	0.227	0.028	0.087	0.188	0.005	0.014	0.021	---	---	21
22	---	0B	0 B	0.208	0.024	0.014	0.188	0.005	0.010	0.017	---	---	22
23	---	0B	0 B	0.187	0.038	0.014	0.141	0.004	0.008	0.027	---	---	23
24	---	0B	0 B	0.188	0.050	0.018	0.140	0.003	0.013	0.024	---	---	24
25	---	0B	0 B	0.184	0.048	0.050	0.128	0.007	0.008	0.188	---	---	25
26	---	0B	0 B	0.180	0.038	0.072	0.108	0.020	0.034	0.083	---	---	26
27	---	0B	0 B	0.183	0.040	0.088	0.094	0.010	0.018	0.052	---	---	27
28	---	0B	0.2008	0.183	0.048	0.083	0.071	0.010	0.028	0.038	---	---	28
29	---		0.4008	0.131	0.050	0.088	0.061	0.008	0.023	0.032	---	---	29
30	---		0.8828	0.140	0.040	0.087	0.083	0.010	0.029	0.034	---	---	30
31	---		0.8678		0.028		0.088	0.040		0.0408		---	31
TOTAL	---	---	1.848	13.818	1.788	1.082	4.368	0.512	0.883	1.388	---	---	TOTAL
MEAN	---	---	0.080	0.461	0.058	0.038	0.141	0.017	0.028	0.045	---	---	MEAN
MAX	---	---	0.862	0.884	0.148	0.087	0.288	0.082	0.080	0.188	---	---	MAX
MIN	---	---	0	0.131	0.024	0.008	0.051	0	0.008	0.017	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.104
MAXIMUM DAILY, 0.884 ON APR 18
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.37 AT 18:42 MST ON APR 11

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 25 00 N
LONG 113 43 38 W
DRAINAGE AREA, 763 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	377
FEB	---	AUG	44.2
MAR	180	SEP	78.3
APR	1 170	OCT	121
MAY	184	NOV	---
JUN	83.5	DEC	---

TOTAL DISCHARGE, 2 200 dam³

ROSS CREEK AT MEDICINE HAT - STATION NO. 05AH049

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.127	0.803	0.328	0.109	0.370	0.323	0.108	---	1
2	---	---	---	---	0.126	0.744	0.466	0.134	0.611	0.474	0.134	---	2
3	---	---	---	---	0.133	0.783	0.617	0.118	0.884	0.513	0.126	---	3
4	---	---	---	---	0.152	0.728	0.382	0.240	0.842	0.533	0.148	---	4
5	---	---	---	---	0.138	0.860	0.172	0.206	0.886	0.391	0.128	---	5
6	---	---	---	---	0.133	0.482	0.141	0.188	0.718	0.418	0.131	---	6
7	---	---	---	---	0.118	0.286	0.113	0.341	0.873	0.488	0.124	---	7
8	---	---	---	---	0.113	0.224	0.088	0.332	0.838	0.488	0.125	---	8
9	---	---	---	---	1.04	0.494	0.085	0.288	0.818	0.358	0.121	---	9
10	---	---	---	---	0.888	0.733	0.103	0.273	0.818	0.370	0.117	---	10
11	---	---	---	---	0.885	0.788	0.203	0.171	0.838	0.478	0.118	---	11
12	---	---	---	---	0.780	0.585	0.380	0.108	0.728	0.380	0.1288	---	12
13	---	---	---	---	0.618	0.388	0.367	0.108	0.831	0.309	0.0988	---	13
14	---	---	---	---	0.731	0.288	0.234	0.221	0.871	0.211	0.0938	---	14
15	---	---	---	---	1.15	0.288	0.112	0.170	0.878	0.188	0.0988	---	15
16	---	---	---	---	0.770	0.277	0.088	0.257	0.823	0.177	0.0928	---	16
17	---	---	---	---	0.338	0.328	0.118	0.384	0.583	0.184	0.0928	---	17
18	---	---	---	---	0.187	0.532	0.188	0.332	0.878	0.188	0.1008	---	18
19	---	---	---	---	0.377	0.474	0.084	0.232	0.840	0.147	0.1368	---	19
20	---	---	---	---	0.780	0.385	0.188	0.214	0.851	0.182	0.1438	---	20
21	---	---	---	---	1.28	0.478	0.133	0.214	0.882	0.184	0.1288	---	21
22	---	---	---	---	0.283	0.400	0.184	0.338	0.878	0.140	0.1598	---	22
23	---	---	---	---	0.828	0.481	0.197	0.338	0.881	0.130	---	---	23
24	---	---	---	---	0.888	0.381	0.184	0.307	0.804	0.118	---	---	24
25	---	---	---	---	1.21	0.281	0.835	0.438	0.823	0.105	---	---	25
26	---	---	---	0.134A	0.882	0.282	0.325	0.418	0.812	0.083	---	---	26
27	---	---	---	0.138	0.813	0.313	0.228	0.488	0.883	0.104	---	---	27
28	---	---	---	0.135	0.812	0.388	0.138	0.482	0.886	0.108	---	---	28
29	---		---	0.128	0.834	0.337	0.071	0.488	0.478	0.111	---	---	29
30	---		---	0.128	0.832	0.302	0.148	0.378	0.388	0.118	---	---	30
31	---		---		0.822		0.183	0.378		0.127			31
TOTAL	---	---	---	---	18.818	13.894	8.829	8.887	18.338	7.887	---	---	TOTAL
MEAN	---	---	---	---	0.597	0.483	0.211	0.278	0.811	0.255	---	---	MEAN
MAX	---	---	---	---	1.28	0.803	0.835	0.488	0.831	0.833	---	---	MAX
MIN	---	---	---	---	0.113	0.224	0.085	0.108	0.388	0.093	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.401
MAXIMUM DAILY, 1.28 ON MAY 21
MINIMUM DAILY, 0.085 ON JUL 8

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 01 47 N
LONG 110 38 37 W
DRAINAGE AREA, 1 490 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	884
FEB	---	AUG	739
MAR	---	SEP	1 880
APR	---	OCT	880
MAY	1 800	NOV	---
JUN	1 200	DEC	---

TOTAL DISCHARGE, 8 370 dam³

ROSS CREEK NEAR IRVINE - STATION NO. 05AH003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0B	0 B	0.104	0	0	0	0	0	0	0	---	1
2	---	0B	0 B	0.208	0	0	0	0	0	0	0	---	2
3	---	0B	0 B	0.188	0	0	0	0	0	0	0	---	3
4	---	0B	0 B	0.117	0	0	0	0	0	0	0	---	4
5	---	0B	0 B	0.088	0	0	0	0	0	0	0	---	5
6	---	0B	0 B	0.077	0	0	0	0	0	0	0	---	6
7	---	0B	0 B	0.070	0	0	0	0	0	0	0	---	7
8	---	0B	0 B	0.083	0	0	0	0	0	0	0A	---	8
9	---	0B	0 B	0.087	0	0	0	0	0	0	---	---	9
10	---	0B	0 B	0.081	0	0	0	0	0	0	---	---	10
11	---	0B	0.0708	0.048	0	0	0	0	0	0	---	---	11
12	---	0B	0.7088	0.040	0	0	0	0	0	0	---	---	12
13	---	0B	0.4618	0.034	0	0	0	0	0	0	---	---	13
14	---	0B	0.1188	0.028	0	0	0	0	0	0	---	---	14
15	---	0B	0.0428	0.022	0	0	0	0	0	0	---	---	15
16	---	0B	0.0188	0.022	0	0	0	0	0	0	---	---	16
17	---	0B	0.0088	0.033	0	0	0	0	0	0	---	---	17
18	---	0B	0.0038	0.034	0	0	0	0	0	0	---	---	18
19	---	0B	0 B	0.048	0	0	0	0	0	0	---	---	19
20	---	0B	0 B	0.054	0	0	0	0	0	0	---	---	20
21	---	0B	0 B	0.057	0	0	0	0	0	0	---	---	21
22	---	0B	0 B	0.080	0	0	0	0	0	0	---	---	22
23	---	0B	0 B	0.075	0	0	0	0	0	0	---	---	23
24	---	0B	0 B	0.093	0	0	0	0	0	0	---	---	24
25	---	0B	0 B	0.104	0	0	0	0	0	0	---	---	25
26	---	0B	0 B	0.104	0	0	0	0	0	0	---	---	26
27	---	0B	0.0438	0.080	0	0	0	0	0	0	---	---	27
28	---	0B	0.3488	0.032	0	0	0	0	0	0	---	---	28
29	---		0.3548	0.014	0	0	0	0	0	0	---	---	29
30	---		0.3688	0.002	0	0	0	0	0	0	---	---	30
31	0B		0.1418		0		0	0		0		---	31
TOTAL	---	0	2.888	1.940	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	0	0.088	0.088	0	0	0	0	0	0	---	---	MEAN
MAX	---	0	0.708	0.208	0	0	0	0	0	0	---	---	MAX
MIN	---	0	0	0.002	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.017
MAXIMUM DAILY, 0.7088 ON MAR 12
MINIMUM DAILY, 0B ON FEB 1
MAXIMUM INSTANTANEOUS,
0.8688 AT 12:10 MST ON MAR 12

SUMMARY FOR THE MONTHS FEB TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 58 37 N
LONG 110 32 00 W
DRAINAGE AREA, 847 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	0	AUG	0
MAR	231	SEP	0
APR	188	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 389 dam³

RUSH LAKE DRAIN NEAR NEW DAYTON - STATION NO. 05AF031

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.388	0.005	0.070	0.021	0	0.001	0.006	0.0058	---	1
2	---	---	0 B	0.221	0.008	0.081	0.018	0	0	0.017	---	---	2
3	---	---	0 B	0.281	0.005	0.053	0.012	0	0	0.018	---	---	3
4	---	---	0 B	0.258	0.004	0.042	0.008	0	0	0.020	---	---	4
5	---	---	0 B	0.127	0.004	0.042	0.005	0	0	0.020	---	---	5
6	---	---	0 B	0.131	0.003	0.042	0.002	0	0	0.028	---	---	6
7	---	---	0 B	0.123	0.002	0.040	0	0	0	0.028	---	---	7
8	---	---	0 B	0.123	0.002	0.034	0.042	0	0	0.021	---	---	8
9	---	---	0 B	0.110	0.001	0.027	0.134	0	0	0.021	---	---	9
10	---	---	0.0048 B	0.100	0	0.055	0.157	0	0	0.020	---	---	10
11	---	---	0.1838	0.073	0	1.82	0.139	0	0	0.014	---	---	11
12	---	---	0.4678	0.052	0	3.71	0.113	0	0	0.015	---	---	12
13	---	---	0.2558	0.034	0	4.72	0.103	0	0	0.025	---	---	13
14	---	---	0.1028	0.026	0	1.88	0.186	0	0	0.043	---	---	14
15	---	---	0.0878	0.024	0	1.19	0.312	0	0	0.028	---	---	15
16	---	---	0.0508	0.021	0	0.706	0.096	0	0.024	0.024	---	---	16
17	---	---	0.0428	0.020	0	0.522	0.025	0	0.047	0.031	---	---	17
18	---	---	0.0358	0.022	0	0.385	0.010	0	0.055	0.024	---	---	18
19	---	---	0.0278	0.018	0	0.234	0.014	0	0.087	0.017	---	---	19
20	---	---	0.0258	0.018	0	0.188	0.092	0	0.018	0.014	---	---	20
21	---	---	0.0308	0.013	0	0.151	0.112	0	0.011	0.013	---	---	21
22	---	---	0.0278	0.011	0	0.120	0.034	0	0.010	0.013	---	---	22
23	---	---	0.0838	0.010	0.018	0.105	0.013	0	0.004	0.012	---	---	23
24	---	---	0.0848	0.009	0.018	0.100	0.008	0	0.002	0.012	---	---	24
25	---	---	0.3948	0.007	0.018	0.088	0.008	0	0.008	0.011	---	---	25
26	---	---	1.31 B	0.008	0.021	0.080	0.047	0	0.012	0.010	---	---	26
27	---	08	1.04 B	0.011	0.022	0.048	0.088	0.012	0.007	0.008	---	---	27
28	---	08	0.8288	0.012	0.031	0.038	0.038	0.012	0.004	0.008	---	---	28
29	---	---	0.807	0.010	0.207	0.032	0.018	0.010	0.002	0.008	---	---	29
30	---	---	0.514	0.007	0.258	0.026	0.007	0.010	0	0.0068	---	---	30
31	---	---	0.483		0.188		0.002	0.004		0.0078		---	31
TOTAL	---	---	8.518	2.226	0.818	18.017	1.842	0.048	0.271	0.548	---	---	TOTAL
MEAN	---	---	0.213	0.074	0.026	0.534	0.059	0.002	0.009	0.018	---	---	MEAN
MAX	---	---	1.31	0.388	0.258	4.72	0.312	0.012	0.087	0.043	---	---	MAX
MIN	---	---	0	0.007	0	0.026	0	0	0	0.007	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.116
MAXIMUM DAILY, 4.72 ON JUN 13
MINIMUM DAILY, 08 ON MAR 1
MAXIMUM INSTANTANEOUS,
5.80 AT 08:35 MST ON JUN 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 25 57 N
LONG 112 10 40 W
DRAINAGE AREA, 898 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	199
FEB	---	AUG	4.15
MAR	572	SEP	23.4
APR	192	OCT	47.3
MAY	70.7	NOV	---
JUN	1 380	DEC	---

TOTAL DISCHARGE, 2 480 dam³

RYCROFT SURVEY NO. 3 NEAR RYCROFT - STATION NO. 07FD010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0 B	0	0	0	0	0	0.183	---	---	1
2	---	---	---	0 B	0	0	0	0	0	0.088	---	---	2
3	---	---	---	0 B	0	0	0	0	0	0.053	---	---	3
4	---	---	---	0.0038	0	0	0	0	0	0.031	---	---	4
5	---	---	---	0.0018	0	0	0	0	0	0.017	---	---	5
6	---	---	---	0.0038	0	0	0	0	0	0.010	---	---	6
7	---	---	---	0.0018	0	0	0	0	0	0.004	---	---	7
8	---	---	---	0.0048	0	0	0	0	0	0	---	---	8
9	---	---	---	0.0088	0	0	0	0	0	0	---	---	9
10	---	---	---	0.0218	0	0	0	0	0	0	---	---	10
11	---	---	---	0.0738	0	0	0	0	0	0	---	---	11
12	---	---	---	0.220	0	0	0	0	0	0	---	---	12
13	---	---	---	0.175	0	0	0	0	0	0	---	---	13
14	---	---	---	0.085	0	0	0	0	0	0	---	---	14
15	---	---	---	0.088	0	0	0	0	0	0	---	---	15
16	---	---	---	0.0488	0	0	0	0.002	0	0	---	---	16
17	---	---	---	0.0228	0	0	0	0.005	0.008	0	---	---	17
18	---	---	---	0.0128	0	0	0	0	0.078	0	---	---	18
19	---	---	---	0.010	0	0	0	0	0.054	0	---	---	19
20	---	---	---	0.004	0	0	0	0	0.028	0	---	---	20
21	---	---	---	0.002	0.003	0	0	0.001	0.013	0	---	---	21
22	---	---	---	0	0.004	0	0	0.018	0.005	0	---	---	22
23	---	---	---	0	0.002	0	0	0.108	0	0	---	---	23
24	---	---	---	0	0	0	0	0.104	0	0	---	---	24
25	---	---	---	0	0	0	0	0.039	0	0 E	---	---	25
26	---	---	---	0	0	0	0	0.013	0	0 E	---	---	26
27	---	---	---	0	0	0	0	0.001	0	0 E	---	---	27
28	---	---	---	0	0	0	0	0	0	0 E	---	---	28
29	---		---	0	0	0	0	0	0	0 E	---	---	29
30	---		---	0	0	0	0	0	0.048	0 B	---	---	30
31	---		---		0		0	0		0 B		---	31
TOTAL	---	---	---	0.788	0.009	0	0	0.291	0.330	0.384	---	---	TOTAL
MEAN	---	---	---	0.025	0	0	0	0.009	0.008	0.013	---	---	MEAN
MAX	---	---	---	0.220	0.004	0	0	0.108	0.078	0.183	---	---	MAX
MIN	---	---	---	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 0.220 ON APR 12
MINIMUM DAILY, 08 ON APR 1
MAXIMUM INSTANTANEOUS,
0.386 AT 17:03 MST ON APR 12

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REMARKS - DATA FOR 1982 ARE ALSO AVAILABLE

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 46 00 N
LONG 116 35 00 W

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	25.1
MAR	---	SEP	19.8
APR	95.3	OCT	34.0
MAY	0.78	NOV	---
JUN	0	DEC	---

SADDLE RIVER NEAR WOKING - STATION NO. 07FD008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.478	0.448	0.008	0.005	0.288	3.08	0.178	---	1
2	---	---	0B	0 B	0.407	0.402	0.022	0.007	0.227	1.72	0.180	---	2
3	---	---	0B	0 B	0.493	0.387	0.032	0.100	0.172	1.23	0.232A	---	3
4	---	---	0B	0.0358 B	0.421	0.301	0.026	0.186	0.108	1.08	---	---	4
5	---	---	0B	0.0209 B	0.326	0.273	0.020	0.880	0.070	1.08	---	---	5
6	---	---	0B	0.0018 B	0.384	0.220	0.010	0.383	1.11	0.803	---	---	6
7	---	---	0B	0.0038 B	0.348	0.180	0.008	0.152	0.938	0.783	---	---	7
8	---	---	0B	0 B	0.281	0.148	0.012	0.152	0.702	0.828	---	---	8
9	---	---	0B	1.21 B	0.281	0.182	0.024	0.821	0.838	0.535	---	---	9
10	---	---	0B	2.81 B	0.283	0.206	0.072	0.386	0.388	0.440	---	---	10
11	---	---	0B	3.88 B	0.338	0.183	0.023	0.238	0.272	0.401	---	---	11
12	---	---	0B	3.78 B	0.312	0.138	0.007	0.150	0.238	0.447	---	---	12
13	---	---	0B	2.26 B	0.318	0.147	0.008	0.105	0.136	0.384	---	---	13
14	---	---	0B	1.54 B	0.263	0.103	0.003	0.098	0.072	0.288	---	---	14
15	---	---	0B	1.03 B	0.298	0.073	0.003	1.52	0.084	0.285	---	---	15
16	---	---	0B	0.9188	0.407	0.048	1.10	0.748	0.030	0.233	---	---	16
17	---	---	0B	0.8118	0.301	0.038	0.388	2.78	0.148	0.268	---	---	17
18	---	---	0B	0.8718	0.287	0.030	0.170	1.23	0.088	0.198	---	---	18
19	---	---	0B	0.4918	0.388	0.020	0.060	0.733	0.203	0.158	---	---	19
20	---	0B	0B	0.4128	0.414	0.014	0.038	1.04	0.262	0.184	---	---	20
21	---	0B	0B	0.452	0.578	0.008	0.084	0.841	0.185	0.188	---	---	21
22	---	0B	0B	0.544	1.08	0.015	0.023	2.49	0.184	0.148	---	---	22
23	---	0B	0B	0.700	1.48	0.014	0.171	20.4	0.190	0.144	---	---	23
24	---	0B	0B	0.541	1.78	0.026	0.088	11.8	0.118	0.137	---	---	24
25	---	0B	0B	0.495	1.83	0.010	0.047	4.88	0.118	0.132	---	---	25
26	---	0B	0B	0.485	1.37	0.008	0.018	2.82	0.102	0.128	---	---	26
27	---	0B	0B	0.481	1.10	0.008	0.032	1.80	0.072	0.158	---	---	27
28	---	0B	0B	0.480	0.817	0.007	0.038	0.841	0.102	0.153	---	---	28
29	---	---	0B	0.512	0.788	0.002	0.026	0.893	0.083	0.153	---	---	29
30	---	---	0B	0.483	0.800	0.002	0.083	0.848	0.380	0.180	---	---	30
31	---		0B		0.813		0.018	0.424		0.158		---	31
TOTAL	---	---	0	24.885	18.875	3.571	2.598	58.782	7.881	15.849	---	---	TOTAL
MEAN	---	---	0	0.823	0.602	0.118	0.084	1.80	0.282	0.511	---	---	MEAN
MAX	---	---	0	3.78	1.78	0.448	1.10	20.4	1.11	3.08	---	---	MAX
MIN	---	---	0	0	0.338	0.002	0.003	0.005	0.030	0.128	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.534
MAXIMUM DAILY, 20.4 ON AUG 23
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
35.1 AT 15:00 MST ON AUG 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 36 35 N
LONG 114 41 51 W
DRAINAGE AREA, 538 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	234
FEB	---	AUG	5 080
MAR	0	SEP	883
APR	2 130	OCT	1 370
MAY	1 610	NOV	---
JUN	309	DEC	---

TOTAL DISCHARGE, 11 400 dam³

SAGE CREEK AT Q RANCH NEAR WILDHORSE - STATION NO. 11AA026

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.48	0	0.083	0	0	0	0	---	---	1
2	---	---	0 B	1.08	0	0.383	0	0	0	0	---	---	2
3	---	---	0 B	0.831	0	0.144	0	0	0	0	---	---	3
4	---	---	0 B	0.848	0	0.078	0	0	0	0	---	---	4
5	---	---	0 B	0.489	0	0.043	0	0	0	0	---	---	5
6	---	---	0 B	0.431	0	0.018	0	0	0	0	---	---	6
7	---	---	0 B	0.352	0	0.003	0	0	0	0	---	---	7
8	---	---	0 B	0.348	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0.300	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0.230	0	0	0	0	0	0	---	---	10
11	---	---	0.0018	0.181	0	0	0	0	0	0	---	---	11
12	---	---	0.0038	0.098	0	0	0	0	0	0	---	---	12
13	---	---	0.0018	0.058	0	0	0	0	0	0	---	---	13
14	---	---	0.0018	0.030	0	0.018	0	0	0	0	---	---	14
15	---	---	0.0038	0.287	0	0.208	0	0	0	0	---	---	15
16	---	---	0.0038	0.308	0	0.128	0	0	0	0	---	---	16
17	---	---	0.0018	0.347	0	0.083	0	0	0	0	---	---	17
18	---	---	0.0018	0.318	0	0.037	0	0	0	0	---	---	18
19	---	---	0.0018	0.188	0	0.008	0	0	0	0	---	---	19
20	---	---	0.0058	0.088	0	0	0	0	0	0	---	---	20
21	---	---	0.0108	0.044	0	0	0	0	0	0	---	---	21
22	---	---	0.0068	0.021	0	0	0	0	0	0	---	---	22
23	---	---	0.1008	0.013	0	0	0	0	0	0	---	---	23
24	---	---	0.3008	0.180	0	0	0	0	0	0	---	---	24
25	---	---	0.3008	0.148	0	0	0	0	0	0	---	---	25
26	---	---	1.20 B	0.116	0	0	0	0	0	0	---	---	26
27	---	---	0.8008	0.077	0	0	0	0	0	0	---	---	27
28	---	0B	1.00 B	0.048	0	0	0	0	0	0	---	---	28
29	---		2.72	0.021	0	0	0	0	0	0	---	---	29
30	---		3.61	0.008	0	0	0	0	0	0	---	---	30
31	---		1.67		0		0	0		0A		---	31
TOTAL	---	---	10.777	8.730	0	1.048	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.348	0.291	0	0.035	0	0	0	0	---	---	MEAN
MAX	---	---	3.61	1.48	0	0.383	0	0	0	0	---	---	MAX
MIN	---	---	0	0.008	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.084
MAXIMUM DAILY, 3.61 ON MAR 30
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.61 AT 18:10 MST ON MAR 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 06 28 N
LONG 110 13 23 W
DRAINAGE AREA, 488 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	931	SEP	0
APR	763	OCT	0
MAY	0	NOV	---
JUN	80.5	DEC	---

TOTAL DISCHARGE, 1 770 dam³

SAKWATAMAU RIVER NEAR WHITECOURT - STATION NO. 07AH003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.400B	1.40 B	14.1	5.90	13.9	4.62	6.62	2.76	1.31B	---	1
2	---	---	0.400B	1.30 B	14.9	7.76	20.5	11.4	6.76	2.73	---	---	2
3	---	---	0.400B	1.10 B	13.3	8.91	34.5	38.2	6.83	2.76	---	---	3
4	---	---	0.390B	1.01 B	15.1	8.76	27.4	63.1	6.21	2.69	---	---	4
5	---	---	0.410B	0.888B	14.3	6.18	20.4	55.7	5.80	2.68	---	---	5
6	---	---	0.450B	0.914B	13.0	4.66	15.2	38.0	5.38	2.63	---	---	6
7	---	---	0.500B	1.10 B	12.3	4.41	12.3	25.4	5.18	2.60	---	---	7
8	---	---	0.550B	1.14 B	11.5	4.31	10.3	18.9	4.82	2.56	---	---	8
9	---	---	0.575B	1.17 B	10.1	5.36	88.8	14.4	4.66	2.52	---	---	9
10	---	---	0.580B	1.28 B	8.82	10.2	88.4	12.9	4.46	2.46	---	---	10
11	---	---	0.580B	1.53 B	7.72	14.9	47.4	15.7	4.21	2.47	---	---	11
12	---	---	0.600B	1.84 B	7.04	12.1	31.4	14.9	3.88	2.41	---	---	12
13	---	---	0.475B	3.18 B	6.12	8.28	23.8	11.5	3.67	2.41	---	---	13
14	---	---	0.450B	5.38 B	5.46	7.43	17.1	8.38	3.46	2.44	---	---	14
15	---	---	0.425B	8.38 B	4.91	6.78	13.3	7.71	3.34	2.38	---	---	15
16	---	---	0.415B	9.94 B	4.48	6.84	11.7	6.65	3.67	2.238	---	---	16
17	---	---	0.415B	9.48 B	4.13	6.98	11.8	7.88	4.18	2.328	---	---	17
18	---	---	0.480B	9.33 B	4.06	6.19	14.6	12.0	4.69	2.378	---	---	18
19	---	---	0.560B	7.68 B	5.13	6.82	12.6	14.0	4.69	2.378	---	---	19
20	---	---	0.625B	8.48 B	35.8	6.36	10.3	14.2	4.26	2.308	---	---	20
21	---	---	0.575B	8.81 B	83.2	6.46	11.4	12.6	4.03	2.318	---	---	21
22	---	0.846B	0.808B	11.0 B	47.5	6.06	11.7	11.1	3.88	2.388	---	---	22
23	---	0.890B	0.868B	12.0 B	36.4	6.64	9.13	8.86	3.77	2.328	---	---	23
24	---	0.550B	0.614B	10.5 B	32.1	3.98	8.98	8.65	3.62	2.168	---	---	24
25	---	0.845B	0.980B	10.0 B	31.8	3.63	10.4	8.80	3.41	2.278	---	---	25
26	---	0.425B	0.888B	10.0 B	28.1	3.43	9.10	8.12	3.30	2.108	---	---	26
27	---	0.410B	1.10 B	10.2 B	24.1	4.33	7.84	7.81	3.16	2.168	---	---	27
28	---	0.400B	1.20 B	10.5 B	19.2	8.88	8.35	8.85	2.87	2.128	---	---	28
29	---		1.40 B	10.8 B	14.8	8.17	8.83	8.42	2.87	2.118	---	---	29
30	---		1.45 B	12.1 B	11.8	10.1	5.44	8.57	2.86	2.408	---	---	30
31	---		1.55 B		10.1		5.06	8.98		1.818		---	31
TOTAL	---	---	20.673	182.912	530.95	188.83	568.14	487.78	130.48	74.33	---	---	TOTAL
MEAN	---	---	0.667	6.10	17.1	6.63	18.4	15.7	4.35	2.40	---	---	MEAN
MAX	---	---	1.55	12.1	83.2	14.9	88.4	63.1	6.83	2.76	---	---	MAX
MIN	---	---	0.390	0.888	4.06	3.43	5.06	4.62	2.86	1.81	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.85
MAXIMUM DAILY, 88.4 ON JUL 10
MINIMUM DAILY, 0.390B ON MAR 4
MAXIMUM INSTANTANEOUS,
73.6 AT 18:33 MST ON JUL 9

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 12 05 N
LONG 115 48 40 W
DRAINAGE AREA, 1 140 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	49 200
FEB	---	AUG	43 100
MAR	1 780	SEP	11 300
APR	18 800	OCT	8 430
MAY	46 800	NOV	---
JUN	16 800	DEC	---

TOTAL DISCHARGE, 188 000 dam³

SALT CREEK NEAR GROUARD - STATION NO. 07BF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.020E	0.050E	0.848	1.66	0.181	0.273	0.629	1.13	---	---	1
2	---	---	0.020E	0.080E	0.732	0.719	0.526	0.324	0.440	0.672	---	---	2
3	---	---	0.018E	0.070E	0.637	0.818	0.805	1.65	0.342	0.768	---	---	3
4	---	---	0.018E	0.100E	0.658	0.656	0.674	2.18	0.286	0.671	---	---	4
5	---	---	0.020E	0.200E	0.469	0.767	0.800	2.62	0.232	0.515	---	---	5
6	---	---	0.032E	0.260E	1.04	0.852	0.488	1.83	0.189	0.485	---	---	6
7	---	---	0.024E	0.240E	0.385	1.62	0.324	1.48	0.162	0.474	---	---	7
8	---	---	0.024E	0.220E	0.264	1.78	0.298	1.07	0.134	0.384	---	---	8
9	---	---	0.022E	0.218E	0.339	1.66	0.342	0.907	0.416	0.318	---	---	9
10	---	---	0.021E	0.350E	0.234	1.86	0.298	0.648	0.308	0.380	---	---	10
11	---	---	0.020E	1.00 E	0.215	2.30	0.272	0.388	0.193	0.400	---	---	11
12	---	---	0.020E	2.58 E	0.200	1.38	0.182	0.648	0.144	0.480	---	---	12
13	---	---	0.022E	3.08 E	0.262	0.683	0.160	0.372	0.128	0.372	---	---	13
14	---	---	0.028E	2.62 E	0.186	0.680	0.185	0.308	0.118	0.282	---	---	14
15	---	---	0.024E	2.54 E	0.136	0.406	0.312	0.424	0.122	0.240	---	---	15
16	---	---	0.022E	3.00 E	0.150	0.332	2.42	0.307	0.134	0.278	---	---	16
17	---	---	0.021E	2.36 E	0.138	0.314	2.28	0.198	0.143	0.298	---	---	17
18	---	---	0.024E	1.80 E	0.104	0.276	1.36	0.193	0.187	0.342	---	---	18
19	---	---	0.028E	2.44 E	0.136	0.320	0.880	0.282	0.188	0.333	---	---	19
20	---	---	0.030E	3.00 E	0.825	0.209	0.888	0.212	0.318	0.348	---	---	20
21	---	---	0.038E	2.46 E	1.88	0.214	1.84	0.188	0.223	0.327	---	---	21
22	---	---	0.047E	2.53 E	3.26	0.223	3.26	0.238	0.177	0.302	---	---	22
23	---	---	0.046E	2.10 E	3.30	0.203	1.32	0.781	0.181	0.276	---	---	23
24	---	0.038E	0.040E	2.03 E	4.02	0.187	0.755	0.828	0.148	0.269	---	---	24
25	---	0.024E	0.038E	2.27 E	3.84	0.218	0.870	0.672	0.148	0.274	---	---	25
26	---	0.020E	0.037E	1.78 E	4.87	0.182	1.14	0.881	0.134	0.252	---	---	26
27	---	0.023E	0.038E	1.46 E	3.42	0.141	0.883	0.811	0.130	0.250	---	---	27
28	---	0.020E	0.037E	1.40	1.63	0.184	0.808	0.836	0.188	0.258E	---	---	28
29	---		0.038E	1.38	1.08	0.181	0.480	0.847	0.138	0.238E	---	---	29
30	---		0.040E	1.21	0.782	0.143	0.320	1.18	0.338	0.260E	---	---	30
31	---		0.044E		0.688		0.381	0.717		0.220E		---	31
TOTAL	---	---	0.863	44.986	35.753	20.363	25.163	24.084	8.422	12.584	---	---	TOTAL
MEAN	---	---	0.028	1.50	1.15	0.678	0.811	0.776	0.214	0.406	---	---	MEAN
MAX	---	---	0.047	3.08	4.87	2.30	3.26	2.62	0.628	1.13	---	---	MAX
MIN	---	---	0.018	0.050	0.108	0.141	0.150	0.188	0.118	0.220	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.885
MAXIMUM DAILY, 4.87 ON MAY 26
MINIMUM DAILY, 0.018B ON MAR 3
MAXIMUM INSTANTANEOUS,
6.87 AT 02:30 MST ON MAY 26

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 35 26 N
LONG 116 05 37 W
DRAINAGE AREA, 426 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 170
FEB	---	AUG	2 080
MAR	76.3	SEP	855
APR	3 880	OCT	1 080
MAY	3 090	NOV	---
JUN	1 780	DEC	---

TOTAL DISCHARGE, 14 700 dam³

SAM LAKE TRIBUTARY NEAR SCHULER - STATION NO. 06AH047

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.0018	0B	0	0	0	0	0	0	0	---	1
2	---	0 B	0 B	0B	0	0	0	0	0	0	0	---	2
3	---	0 B	0 B	0B	0	0	0	0	0	0	0	---	3
4	---	0 B	0 B	0	0	0	0	0	0	0	0	---	4
5	---	0 B	0 B	0	0	0	0	0	0	0	0	---	5
6	---	0 B	0 B	0	0	0	0	0	0	0	0	---	6
7	---	0 B	0.0108	0	0	0	0	0	0	0	0A	---	7
8	---	0 B	0.0308	0	0	0	0	0	0	0	---	---	8
9	---	0 B	0.0448	0	0	0	0	0	0	0	---	---	9
10	---	0 B	0.0508	0	0	0	0	0	0	0	---	---	10
11	---	0 B	0.0488	0	0	0	0	0	0	0	---	---	11
12	---	0 B	0.0308	0	0	0	0	0	0	0	---	---	12
13	---	0 B	0.0108	0	0	0	0	0	0	0	---	---	13
14	---	0 B	0 B	0	0	0	0	0	0	0	---	---	14
15	---	0 B	0 B	0	0	0	0	0	0	0	---	---	15
16	---	0 B	0 B	0	0	0	0	0	0	0	---	---	16
17	---	0 B	0 B	0	0	0	0	0	0	0	---	---	17
18	---	0 B	0 B	0	0	0	0	0	0	0	---	---	18
19	---	0 B	0 B	0	0	0	0	0	0	0	---	---	19
20	---	0 B	0 B	0	0	0	0	0	0	0	---	---	20
21	---	0 B	0 B	0	0	0	0	0	0	0	---	---	21
22	---	0 B	0.0018	0	0	0	0	0	0	0	---	---	22
23	---	0 B	0.0038	0	0	0	0	0	0	0	---	---	23
24	---	0.0058	0 B	0	0	0	0	0	0	0	---	---	24
25	---	0.0088	0.0038	0	0	0	0	0	0	0	---	---	25
26	---	0.0088	0.0048	0	0	0	0	0	0	0	---	---	26
27	---	0.0038	0.0018	0	0	0	0	0	0	0	---	---	27
28	---	0.0028	0 B	0	0	0	0	0	0	0	---	---	28
29	---		0 B	0	0	0	0	0	0	0	---	---	29
30	---		0 B	0	0	0	0	0	0	0		---	30
31	---		0 B		0		0			0			31
TOTAL	---	0.024	0.238	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	0.001	0.008	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	0.008	0.050	0	0	0	0	0	0	0	---	---	MAX
MIN	---	0	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.001
MAXIMUM DAILY, 0.0508 ON MAR 10
MINIMUM DAILY, 0B ON FEB 1

SUMMARY FOR THE MONTHS FEB TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 60 09 46 N
LONG 110 15 39 W
DRAINAGE AREA, 31.8 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	2.07	AUG	0
MAR	20.3	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 22.4 dam³

SAND RIVER NEAR THE MOUTH - STATION NO. 06AB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.238	1.518	8.58	18.0	14.5	4.88	3.83	8.32	6.408	---	1
2	---	---	1.238	1.588	8.06	17.0	13.9	4.81	3.14	8.27	6.078	---	2
3	---	---	1.248	1.808	7.68	16.6	13.3	4.68	3.73	8.37	3.188	---	3
4	---	---	1.258	1.848	7.36	16.0	13.0	4.42	3.85	8.63	3.648	---	4
5	---	---	1.268	1.708	7.02	16.0	13.1	4.14	4.88	8.61	3.708	---	5
6	---	---	1.308	1.748	8.87	15.8	12.8	3.95	8.38	8.87	3.488	---	6
7	---	---	1.318	1.788	8.33	15.4	12.8	3.77	8.78	8.38	3.208	---	7
8	---	---	1.338	1.788	8.11	15.4	13.3	3.84	8.38	8.31	3.018	---	8
9	---	---	1.348	1.748	8.87	15.8	12.9	3.38	8.88	8.38	---	---	9
10	---	---	1.348	1.808	8.84	15.9	13.1	3.13	8.81	8.71	---	---	10
11	---	---	1.338	1.908	8.58	17.4	13.1	3.95	8.58A	8.41	---	---	11
12	---	---	1.338	2.188	8.73	16.7	12.3	3.65	8.87	8.31	---	---	12
13	---	---	1.308	2.388	8.70	16.7	11.8	3.84	8.68	8.13	---	---	13
14	---	---	1.288	2.558	8.61	20.4	10.8	3.81	8.44	8.84	---	---	14
15	---	---	1.288	2.558	8.82	20.3	9.86	3.81	8.31	8.77	---	---	15
16	---	---	1.238	2.818	8.88	19.2	9.18	3.48	8.88	8.88	---	---	16
17	---	---	1.218	8.038	8.82	18.2	8.84	3.43	8.88	8.80	---	---	17
18	---	---	1.248	8.058	8.81	17.3	8.11	3.44	8.81	8.43	---	---	18
19	---	---	1.288	8.888	8.10	16.8	7.81	3.38	8.83	8.48	---	---	19
20	---	---	1.318	8.308	8.88	17.8	7.04	3.28	8.19	8.82	---	---	20
21	---	1.248	1.348	8.71	7.77	18.8	8.72	3.18	8.88	8.47	---	---	21
22	---	1.278	1.388	10.7	8.88	18.8	8.24	3.18	8.81	8.37	---	---	22
23	---	1.278	1.348	11.3	13.0	18.0	8.81	3.24	8.88	8.41	---	---	23
24	---	1.288	1.328	11.8	18.8	19.4	8.48	3.18	7.00	8.31	---	---	24
25	---	1.288	1.308	13.2	20.0	19.4	8.27	3.21	7.04	8.27	---	---	25
26	---	1.278	1.288	11.8	21.3	18.8	8.20	3.25	8.88	8.28	---	---	26
27	---	1.288	1.288	10.8	21.8	17.8	8.23	3.27	8.77	8.15	---	---	27
28	---	1.258	1.328	8.82	21.8	17.1	8.33	3.31	8.88	8.08	---	---	28
29	---		1.378	8.38	20.8	16.1	8.14	2.88	8.42	8.13	---	---	29
30	---		1.438	8.88	20.1	15.3	8.38	2.85	8.31	8.04	---	---	30
31	---		1.478		19.1		4.88	2.81		4.88		---	31
TOTAL	---	---	40.38	188.87	318.28	531.4	280.33	92.22	178.34	178.84	---	---	TOTAL
MEAN	---	---	1.30	6.23	10.3	17.7	8.37	2.97	5.84	5.80	---	---	MEAN
MAX	---	---	1.47	13.2	21.8	20.4	14.5	4.81	7.04	8.71	---	---	MAX
MIN	---	---	1.21	1.51	6.81	15.3	4.88	2.18	2.82	4.88	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.30
MAXIMUM DAILY, 21.8 ON MAY 27
MINIMUM DAILY, 1.218 ON MAR 17
MAXIMUM INSTANTANEOUS,
21.8 AT 18:32 MST ON MAY 27

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 28 18 N
LONG 111 11 08 W
DRAINAGE AREA, 4 810 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	28 100
FEB	---	AUG	7 970
MAR	3 480	SEP	18 400
APR	13 800	OCT	18 600
MAY	27 500	NOV	---
JUN	45 900	DEC	---

TOTAL DISCHARGE, 184 000 dam³

SAULTEAUX RIVER NEAR SPURFIELD - STATION NO. 07BK005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1108	0.1368	5.33	17.7	5.50	14.5	11.3	3.75	1.68A	---	1
2	---	---	0.1118	0.1418	7.38	16.0	7.82	13.6	12.0	3.56	---	---	2
3	---	---	0.1098	0.1588	8.36	14.6	9.63	17.0	13.0	3.60	---	---	3
4	---	---	0.1038	0.1678	8.71	13.2	12.6	25.1	13.1	3.65	---	---	4
5	---	---	0.1038	0.1638	8.71	11.4	16.7	58.7	11.9	3.61	---	---	5
6	---	---	0.1068	0.1598	8.35	9.81	16.5	88.5	10.5	3.52	---	---	6
7	---	---	0.1028	0.1608	7.54	8.74	14.9	73.5	9.43	3.43	---	---	7
8	---	---	0.1008	0.1648	7.35	7.81	13.8	71.7	8.71	3.36	---	---	8
9	---	---	0.0988	0.1598	7.02	8.07	15.6	68.6	8.17	3.31	---	---	9
10	---	---	0.0968	0.1778	8.58	8.26	35.5	41.6	7.71	3.23	---	---	10
11	---	---	0.0958	0.2078	8.83	8.46	54.7	34.0	7.23	3.13	---	---	11
12	---	---	0.0958	0.2528	8.41	8.53	54.1	29.0	6.83	3.02	---	---	12
13	---	---	0.0978	0.5178	8.90	9.22	45.9	25.5	6.42	2.88	---	---	13
14	---	---	0.0988	1.09 B	4.28	8.18	37.4	21.4	5.99	2.80	---	---	14
15	---	---	0.0968	1.88 B	3.60	7.12	31.1	18.6	5.68	2.84	---	---	15
16	---	---	0.0948	2.76 B	3.08	6.24	26.8	15.8	5.32	2.73	---	---	16
17	---	---	0.0968	2.82 B	2.85	5.75	22.0	13.8	5.02	2.65	---	---	17
18	---	---	0.0978	4.85 B	2.30	5.28	18.8	12.4	4.85	2.64	---	---	18
19	---	---	0.0948	4.71 B	2.89	5.13	16.7	13.6	5.00	2.84	---	---	19
20	---	---	0.0998	4.41 B	5.82	5.14	15.5	15.7	5.28	2.57	---	---	20
21	---	---	0.1018	4.06 B	33.3	4.81	15.2	15.2	5.25	2.56	---	---	21
22	---	0.1228	0.1048	4.82 B	39.3	4.72	15.5	14.3	5.02	2.49	---	---	22
23	---	0.1288	0.1038	5.09 B	37.2	4.83	20.7	14.2	4.90	2.46	---	---	23
24	---	0.1258	0.1178	5.69 B	33.0	5.01	21.8	16.1	4.82	2.45	---	---	24
25	---	0.1208	0.1188	5.77	29.4	4.82	18.3	20.9	4.68	2.46	---	---	25
26	---	0.1228	0.1078	5.20	26.7	4.15	15.5	19.7	4.47	2.41	---	---	26
27	---	0.1208	0.1088	4.82	26.7	3.88	13.8	17.1	4.35	2.36	---	---	27
28	---	0.1088	0.1088	4.38	26.7	3.77	12.2	15.2	4.14	2.31	---	---	28
29	---		0.1148	4.19	27.7	3.77	10.7	13.8	3.88	1.93B	---	---	29
30	---		0.1258	4.38	23.1	4.20	10.0	12.5	3.76	1.89B	---	---	30
31	---		0.1308		18.4		12.3	11.5		1.85	---	---	31
TOTAL	---	---	3.233	72.817	436.47	231.67	636.85	620.5	206.89	88.50	---	---	TOTAL
MEAN	---	---	0.104	2.42	14.1	7.72	20.5	20.5	6.86	2.85	---	---	MEAN
MAX	---	---	0.130	5.77	39.3	17.7	54.7	73.5	13.1	3.75	---	---	MAX
MIN	---	---	0.094	0.136	2.30	3.77	5.50	11.5	3.76	1.82	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.2
MAXIMUM DAILY, 73.5 ON AUG 7
MINIMUM DAILY, 0.0948 ON MAR 18
MAXIMUM INSTANTANEOUS,
74.8 AT 20:00 MST ON AUG 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 09 20 N
LONG 114 14 10 W
DRAINAGE AREA, 2 800 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	55 000
FEB	---	AUG	70 900
MAR	278	SEP	18 000
APR	6 270	OCT	7 650
MAY	37 700	NOV	---
JUN	20 000	DEC	---

TOTAL DISCHARGE, 218 000 dam³

SAWRIDGE CREEK NEAR SLAVE LAKE - STATION NO. 07BK008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0418	0.0978	4.64	8.28	1.62	0.880	3.82	0.938	0.5788	---	1
2	---	---	0.0338	0.1028	4.18	4.81	4.15	3.78	3.18	0.724	0.6628	---	2
3	---	---	0.0288	0.1188	3.46	4.04	4.11	19.0	2.88	0.761	0.780A	---	3
4	---	---	0.0298	0.1368	3.62	3.30	3.06	35.9	2.19	1.02	---	---	4
5	---	---	0.0308	0.1108	3.18	3.78	2.64	18.8	1.83	1.28	---	---	5
6	---	---	0.0318	0.1108	3.38	3.28	2.10	8.78	1.81	1.03	---	---	6
7	---	---	0.0378	0.1308	3.16	7.78	1.76	5.78	1.72	0.930	---	---	7
8	---	---	0.0448	0.1708	2.74	5.35	5.11	4.08	1.76	0.873	---	---	8
9	---	---	0.0478	0.1808	2.38	4.55	12.1	3.20	1.80	0.814	---	---	9
10	---	---	0.0488	0.2208	3.14	4.35	7.58	2.84	1.61	0.803	---	---	10
11	---	---	0.0448	0.1928	2.05	3.74	4.88	2.78	1.46	0.784	---	---	11
12	---	---	0.0368	0.2148	1.86	2.87	3.72	2.17	1.41	0.723	---	---	12
13	---	---	0.0348	0.2238	1.41 A	2.44	2.83	2.08	1.37	0.743	---	---	13
14	---	---	0.0348	0.2828	1.27 A	2.13	2.38	1.66	1.28	0.724	---	---	14
15	---	---	0.0358	0.3758	1.10 A	2.07	2.02	1.44	1.14	0.708	---	---	15
16	---	---	0.0348	0.4158	0.973A	1.83	1.74	1.30	1.20	0.682	---	---	16
17	---	---	0.0368	0.2888	0.906	1.58	1.67	1.34	1.32	0.632	---	---	17
18	---	---	0.0348	0.2768	0.837	1.36	1.36	1.82	1.22	0.698	---	---	18
19	---	---	0.0368	0.4318	16.8 A	1.38	1.26	1.37	1.27	0.706	---	---	19
20	---	0.0808	0.0388	0.8408	16.8	1.74	1.18	1.18	1.38	0.886	---	---	20
21	---	0.0538	0.0388	1.88 B	8.80	2.48	2.88	1.14	1.41	0.881	---	---	21
22	---	0.0548	0.0448	3.08 B	7.83	1.80	2.08	1.10	1.38	0.803	---	---	22
23	---	0.0508	0.0448	3.08 B	7.68	1.71	1.81	1.73	1.25	0.844	---	---	23
24	---	0.0638	0.0528	2.18 A	10.8	1.44	1.64	1.72	1.07	0.838	---	---	24
25	---	0.0588	0.0518	1.87 A	10.6	1.31	2.88	1.88	0.938	0.827	---	---	25
26	---	0.0588	0.0448	2.02 A	11.3	1.11	2.01	1.83	0.742	0.818	---	---	26
27	---	0.0528	0.0428	2.23	10.8	1.07	1.88	1.44	0.881	0.812	---	---	27
28	---	0.0488	0.0488	2.81	7.81	1.67	1.40	2.14	0.588	0.884A	---	---	28
29	---		0.0528	3.21	8.83	1.30	1.21	3.28	0.550	0.800A	---	---	29
30	---		0.0548	4.01	8.58	1.82	1.18	2.84	0.880	0.824	---	---	30
31	---		0.0788		8.43		1.15	2.72		0.820B	---	---	31
TOTAL	---	---	1.288	30.842	171.848	83.38	88.48	137.080	44.437	22.888	---	---	TOTAL
MEAN	---	---	0.041	1.03	5.53	2.78	2.79	4.42	1.48	0.738	---	---	MEAN
MAX	---	---	0.078	4.01	16.8	7.78	12.1	38.8	3.82	1.28	---	---	MAX
MIN	---	---	0.028	0.097	0.837	1.07	1.15	0.880	0.550	0.520	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.36
MAXIMUM DAILY, 38.8 ON AUG 4
MINIMUM DAILY, 0.0288 ON MAR 3
MAXIMUM INSTANTANEOUS,
48.0 AT 22:00 MST ON AUG 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 16 18 N
LONG 114 46 26 W
DRAINAGE AREA, 233 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	7 470
FEB	---	AUG	11 800
MAR	111	SEP	3 840
APR	3 680	OCT	1 880
MAY	14 800	NOV	---
JUN	7 200	DEC	---

TOTAL DISCHARGE, 49 800 dam³

SEVEN PERSONS CREEK AT MEDICINE HAT - STATION NO. 05AH005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.057	1.50	1.17	2.15	1.01	1.10	0.0748	---	1
2	---	---	---	---	0.052	1.40	1.18	2.08	0.967	1.22	0.083	---	2
3	---	---	---	---	0.061	1.32	0.991	2.11	0.938	1.31	0.088	---	3
4	---	---	---	---	0.088	1.14	1.11	1.87	0.858	1.44	0.088	---	4
5	---	---	---	---	0.074	1.10	1.07	1.85	0.892	1.37	0.080	---	5
6	---	---	---	---	0.062	1.16	1.31	1.70	0.908	1.33	0.083	---	6
7	---	---	---	---	0.057	1.38	1.11	1.85	0.917	1.31	0.084	---	7
8	---	---	---	---	0.062	1.22	1.22	1.43	0.820	1.21	0.078	---	8
9	---	---	---	---	0.277	1.40	1.48	1.84	0.842	1.22	0.078	---	9
10	---	---	---	---	0.238	1.72	1.88	1.44	0.823	1.21	0.078	---	10
11	---	---	---	---	0.274	2.80	1.98	1.31	0.782	1.08	0.071	---	11
12	---	---	---	---	0.852	2.54	1.46	1.36	0.758	0.880	0.084	---	12
13	---	---	---	---	0.889	1.73	1.29	1.69	0.778	0.399	0.0788	---	13
14	---	---	---	---	0.851	1.24	1.51	1.64	0.758	0.295	0.1068	---	14
15	---	---	---	---	0.742	1.10	1.75	1.89	0.855	0.285	0.1128	---	15
16	---	---	---	---	0.781	0.973	1.84	1.78	0.738	0.217	0.1178	---	16
17	---	---	---	---	0.880	1.04	1.78	1.48	0.827	0.178	0.0808	---	17
18	---	---	---	---	0.881	1.28	1.72	1.30	1.12	0.178	0.0778	---	18
19	---	---	---	---	1.08	1.14	1.58	1.84	1.08	0.182	0.0858	---	19
20	---	---	---	---	1.41	1.14	1.74	1.77	0.878	0.182	0.0848	---	20
21	---	---	---	---	1.18	1.33	1.72	1.75	0.763	0.123	0.0848	---	21
22	---	---	---	---	1.08	1.33	1.84	1.83	0.883	0.108	0.0428	---	22
23	---	---	---	---	1.08	1.38	2.00	1.23	0.708	0.102	---	---	23
24	---	---	---	---	1.82	1.18	2.23	1.03	0.783	0.091	---	---	24
25	---	---	---	---	1.81	1.11	2.48	1.21	0.748	0.088	---	---	25
26	---	---	---	---	1.79	1.44	2.58	1.22	0.751	0.080	---	---	26
27	---	---	---	0.108A	1.83	1.22	2.28	1.14	0.898	0.072	---	---	27
28	---	---	---	0.082	1.87	1.14	2.09	1.21	0.857	0.074	---	---	28
29	---		---	0.075	2.12	1.08	2.19	1.08	0.888	0.085	---	---	29
30	---		---	0.084	2.16	1.15	2.23	1.02	1.07	0.074	---	---	30
31	---		---		1.83		2.11	1.04		0.0848		---	31
TOTAL	---	---	---	---	27.242	40.193	52.351	46.68	25.484	17.217	---	---	TOTAL
MEAN	---	---	---	---	0.879	1.34	1.69	1.51	0.849	0.555	---	---	MEAN
MAX	---	---	---	---	2.16	2.54	2.58	2.15	1.12	1.44	---	---	MAX
MIN	---	---	---	---	0.052	0.973	0.991	1.02	0.663	0.080	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.14
MAXIMUM DAILY, 2.58 ON JUL 25
MINIMUM DAILY, 0.052 ON MAY 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 01 35 N
LONG 110 41 02 W
DRAINAGE AREA, 3 270 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1969

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4 830
FEB	---	AUG	4 030
MAR	---	SEP	2 200
APR	---	OCT	1 480
MAY	2 350	NOV	---
JUN	3 470	DEC	---

TOTAL DISCHARGE, 18 100 dam³

SHEEP COULEE NEAR CARSTAIRS - STATION NO. 05CE010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0838	0.001	0	0.001	0	0	0	0B	---	1
2	---	---	0 B	0.0888	0.001	0	0.001	0	0.003	0	---	---	2
3	---	---	0 B	0.037	0	0	0	0	0.010	0	---	---	3
4	---	---	0 B	0.084	0	0	0	0	0.003	0	---	---	4
5	---	---	0 B	0.084	0	0	0	0	0.003	0	---	---	5
6	---	---	0 B	0.070	0	0	0	0	0.001	0	---	---	6
7	---	---	0 B	0.061	0	0.001	0	0	0.008	0	---	---	7
8	---	---	0 B	0.048	0	0.001	0	0	0.006	0	---	---	8
9	---	---	0 B	0.031	0	0.004	0	0	0.008	0	---	---	9
10	---	---	0 B	0.025	0	0.003	0.001	0	0.006	0	---	---	10
11	---	---	0 B	0.014	0.001	0.003	0.001	0	0.003	0	---	---	11
12	---	---	0 B	0.010	0.001	0.002	0.001	0	0	0	---	---	12
13	---	---	0 B	0.020	0.001	0.001	0.001	0	0	0	---	---	13
14	---	---	0 B	0.013	0.001	0.001	0.001	0	0	0	---	---	14
15	---	---	0 B	0.007	0.001	0.001	0.001	0	0	0	---	---	15
16	---	---	0 B	0.004	0.001	0.001	0.001	0	0	0	---	---	16
17	---	---	0 B	0.003	0.002	0.001	0.001	0	0	0	---	---	17
18	---	---	0 B	0.002	0.002	0.001	0.001	0	0	0	---	---	18
19	---	---	0 B	0.001	0.003	0.001	0	0	0	0	---	---	19
20	---	---	0 B	0.001	0.003	0.001	0	0	0	0	---	---	20
21	---	0B	0 B	0.001	0.002	0.001	0	0	0	0	---	---	21
22	---	0B	0 B	0.001	0.002	0.001	0	0	0	0	---	---	22
23	---	0B	0 B	0.003	0.002	0.001	0	0	0	0	---	---	23
24	---	0B	0 B	0.005	0.003	0.001	0	0	0	0	---	---	24
25	---	0B	0 B	0.007	0.003	0.001	0	0	0	0	---	---	25
26	---	0B	0 B	0.008	0.002	0.001	0	0	0	0	---	---	26
27	---	0B	0 B	0.004	0.002	0.001	0	0	0	0	---	---	27
28	---	0B	0 B	0.003	0.002	0.001	0	0	0	0	---	---	28
29	---		0.0508	0.002	0.002	0.001	0	0	0	0	---	---	29
30	---		0.0838	0.001	0.001	0.001	0	0	0	0B	---	---	30
31	---		0.1088		0		0	0		0B		---	31
TOTAL	---	---	0.261	0.634	0.039	0.031	0.011	0	0.048	0	---	---	TOTAL
MEAN	---	---	0.008	0.021	0.001	0.001	0	0	0.002	0	---	---	MEAN
MAX	---	---	0.108	0.083	0.003	0.004	0.001	0	0.010	0	---	---	MAX
MIN	---	---	0	0.001	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.004
MAXIMUM DAILY, 0.1088 ON MAR 31
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.1088 AT 08:22 MST ON MAR 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 33 44 N
LONG 114 03 09 W
DRAINAGE AREA, 38.3 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.65
FEB	---	AUG	0
MAR	21.7	SEP	3.67
APR	54.8	OCT	0
MAY	3.37	NOV	---
JUN	2.66	DEC	---

TOTAL DISCHARGE, 87.5 dam³

SHEEP RIVER AT BLACK DIAMOND - STATION NO. 05BL014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.850S	0.700S	0.800S	0.810S	6.88	12.6	5.32	3.08	7.14	3.14	2.088	1.24 B	1
2	0.850S	0.670S	0.800S	0.850S	8.44	13.5	5.67	3.86	6.98	2.83	2.148	1.27 B	2
3	0.800S	0.655S	0.610S	0.810S	8.91	13.2	5.22	3.15	6.31	2.84	2.288	1.30 B	3
4	0.820S	0.660S	0.630S	1.05 B	8.86	11.4	4.98	3.05	5.48	2.83	2.318	1.34 B	4
5	0.810S	0.670S	0.670S	1.20 B	7.26	12.9	4.78	2.97	6.43	2.82	2.188	1.33 B	5
6	0.810S	0.880S	0.720S	1.30 B	12.0	15.5	4.80	3.10	7.00	2.72	2.138	1.31 B	6
7	0.800S	0.710S	0.770S	1.33 B	15.2	14.8	4.29	3.17	6.82	2.72	2.108	1.30 B	7
8	0.880S	0.740S	0.800S	1.33 B	14.0	14.0	4.18	4.82	7.24	2.87	2.108	1.28 B	8
9	0.880S	0.780S	0.840S	1.38 B	14.8	15.8	4.20	3.85	7.03	2.80	2.378	1.18 B	9
10	0.875S	0.780S	0.850S	1.20 B	18.2	14.4	5.04	3.74	7.02	2.80	2.578	1.14 B	10
11	0.875S	0.775S	0.840S	1.13 B	17.3	13.5	5.90	3.44	7.13	2.81	2.888	1.04 B	11
12	0.880S	0.785S	0.850S	1.10 B	12.7	12.1	5.23	3.22	6.88	2.81	2.388	0.837B	12
13	0.880S	0.740S	0.840S	1.07 B	9.88	12.3	4.85	3.28	6.48	2.83	1.888	0.820B	13
14	0.900S	0.700S	0.820S	1.04 B	7.76	13.3	4.84	3.31	6.17	2.49	1.858	0.840B	14
15	0.915S	0.670S	0.800S	1.06 B	8.86	12.8	4.90	3.14	5.81	2.42	1.888	0.870B	15
16	0.851S	0.838S	0.770S	1.07 B	8.75	12.7	4.78	3.33	5.55	2.35	2.048	0.880S	16
17	0.888S	0.815S	0.758S	1.10 B	7.12	11.6	5.00	3.62	5.42	2.20	2.128	0.830S	17
18	0.888S	0.808S	0.740S	2.00 B	6.99	9.56	4.44	3.71	5.10	2.43	2.148	0.830S	18
19	0.838S	0.810S	0.720S	2.40 B	8.38	8.56	4.03	3.84	4.86	2.38	2.378	0.770S	19
20	0.820S	0.820S	0.725S	4.04 B	8.53	7.77	4.01	3.77	4.30	2.29	2.188	0.710S	20
21	0.780S	0.830S	0.725S	4.80 B	5.00	6.63	4.01	3.41	4.02	2.30	1.888	0.880S	21
22	0.770S	0.880S	0.720S	4.80 B	4.80	6.33	3.78	3.27	3.84	2.28	1.708	0.880S	22
23	0.780S	0.878S	0.720S	4.86 B	5.03	6.76	3.48	3.05	3.71	2.22	1.608	0.870S	23
24	0.740S	0.888S	0.720S	4.34 B	4.88	8.48	3.38	3.09	3.58	2.17	1.508	0.700S	24
25	0.780S	0.890S	0.730S	3.73	4.71	8.89	3.27	3.82	3.47	2.11	1.458	0.800S	25
26	0.780S	0.875S	0.738S	3.28	4.85	8.80	3.17	4.45	3.38	2.05	1.378	0.880S	26
27	0.790S	0.840S	0.740S	2.98	4.48	7.14	3.04	7.38	3.28	2.13	1.308	0.800S	27
28	0.810S	0.820S	0.745S	3.03	4.46	8.81	3.68	10.5	3.14	2.18	1.268	0.808S	28
29	0.808S		0.758S	3.72	4.15	8.22	3.56	10.5	3.07	1.978	1.248	0.858S	29
30	0.800S		0.770S	5.53	8.03	8.24	3.34	8.15	3.07	2.138	1.248	0.870S	30
31	0.740S		0.798S		8.82		3.13	8.16		2.108		0.845S	31
TOTAL	25.185	19.059	23.136	68.980	261.26	316.81	135.07	135.86	158.97	75.70	58.27	30.462	TOTAL
MEAN	0.844	0.861	0.748	2.30	8.11	10.6	4.38	4.37	5.30	2.44	1.94	0.983	MEAN
MAX	0.920	0.780	0.880	5.53	17.3	15.8	6.22	10.5	7.24	3.14	2.88	1.34	MAX
MIN	0.740	0.605	0.800	0.810	4.15	8.22	3.04	2.97	3.07	1.97	1.24	0.690	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.67
MAXIMUM DAILY, 17.3 ON MAY 11
MINIMUM DAILY, 0.600S ON MAR 1
MAXIMUM INSTANTANEOUS,
18.4 AT 02:58 MST ON MAY 11

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 41 14 N
LONG 114 14 34 W
DRAINAGE AREA, 895 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 250	JUL	11 700
FEB	1 650	AUG	11 700
MAR	2 000	SEP	13 700
APR	5 980	OCT	6 540
MAY	21 700	NOV	5 030
JUN	27 500	DEC	2 630

TOTAL DISCHARGE, 112 000 dam³

SIFFLEUR RIVER NEAR THE MOUTH - STATION NO. 05DA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	4.38	12.2	23.7	21.1	14.3	7.12	---	---	1
2	---	---	---	---	4.07	15.6	18.2	32.1	14.2	6.75	---	---	2
3	---	---	---	---	3.70	19.3	18.4	28.8	13.6	6.80	---	---	3
4	---	---	---	---	3.86	19.1	18.7	24.4	13.3	6.90	---	---	4
5	---	---	---	---	5.16	27.2	17.1	21.5	13.6	6.41	---	---	5
6	---	---	---	---	7.48	37.6	16.6	20.1	12.9	6.27	---	---	6
7	---	---	---	---	8.65	34.3	16.8	20.4	12.6	6.03	---	---	7
8	---	---	---	---	9.12	30.7	23.9	24.2	12.3	5.78	---	---	8
9	---	---	---	---	10.5	30.6	18.7	26.3	11.8	5.81	---	---	9
10	---	---	---	---	10.6	33.3	22.2	27.6	11.3	6.76	---	---	10
11	---	---	---	---	9.81	34.0	28.2	22.2	10.8	6.84	---	---	11
12	---	---	---	---	8.08	38.6	28.6	20.0	10.4	6.32	---	---	12
13	---	---	---	---	7.33	41.9	30.2	20.1	10.1	6.08	---	---	13
14	---	---	---	---	7.06	50.6	31.1	18.9	10.2	5.93	---	---	14
15	---	---	---	---	7.39	58.2	33.1	17.7	10.1	5.80	---	---	15
16	---	---	---	---	7.31	46.4	40.2	18.2	9.78	5.68	---	---	16
17	---	---	---	---	7.30	33.0	30.5	21.4	9.68	5.68	---	---	17
18	---	---	---	---	8.68	28.4	26.6	24.9	9.36	5.65	---	---	18
19	---	---	---	---	8.14	24.8	25.0	30.2	9.00	5.46	---	---	19
20	---	---	---	---	8.37	20.4	28.4	32.0	8.81	5.30	---	---	20
21	---	---	---	---	5.08	17.4	30.9	30.7	8.30	5.31	---	---	21
22	---	---	---	---	4.87	16.4	26.1	27.9	8.06	5.32	---	---	22
23	---	---	---	---	4.84	16.4	20.3	23.4	7.88	5.22	---	---	23
24	---	---	---	---	5.21	21.3	19.6	19.6	7.83	5.18	---	---	24
25	---	---	---	1.47A	5.08	20.3	16.9	18.2	7.73	4.85	---	---	25
26	---	---	---	1.81	5.19	21.1	17.8	17.1	7.57	4.86	---	---	26
27	---	---	---	1.81	4.87	23.3	18.2	17.3	7.58	4.82	---	---	27
28	---	---	---	1.81	4.69	19.8	21.7	16.9	7.40	4.68	---	---	28
29	---		---	2.80	4.88	17.5	20.8	15.4	7.22	4.95	---	---	29
30	---		---	3.95	5.88	21.4	18.7	15.0	7.29	4.32A	---	---	30
31	---		---		6.06		18.9	15.0		4.32E	---	---	31
TOTAL	---	---	---	---	186.88	829.3	732.2	684.4	305.33	172.84	---	---	TOTAL
MEAN	---	---	---	---	6.42	27.6	23.6	22.1	10.2	5.58	---	---	MEAN
MAX	---	---	---	---	10.6	58.2	40.2	32.1	14.3	7.12	---	---	MAX
MIN	---	---	---	---	3.70	12.2	16.4	15.0	7.22	4.86	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 15.8
MAXIMUM DAILY, 58.2 ON JUN 15
MINIMUM DAILY, 3.70 ON MAY 3
MAXIMUM INSTANTANEOUS,
71.8 AT 04:20 MST ON JUN 15

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 02 38 N
LONG 114 23 02 W
DRAINAGE AREA, 516 km²

A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	83 300
FEB	---	AUG	89 100
MAR	---	SEP	28 400
APR	---	OCT	14 800
MAY	17 200	NOV	---
JUN	71 700	DEC	---

TOTAL DISCHARGE, 363 000 dam³

SILVERHORN CREEK NEAR THE MOUTH - STATION NO. 08DA010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0318	0.0508	0.0388	0.0408	0.146	0.922	1.68	1.17	0.537	0.270	0.1218	0.0818	1
2	0.0838	0.0388	0.0348	0.0418	0.137	0.812	1.17	1.80	0.526	0.261	0.1338	0.0808	2
3	0.0808	0.0358	0.0348	0.0438	0.144	0.773	0.983	1.47	0.517	0.253	0.1388	0.0808	3
4	0.0848	0.0308	0.0408	0.0418	0.222	0.887	1.06	1.43	0.505	0.246	0.1358	0.1008	4
5	0.0808	0.0418	0.0488	0.0388	0.322	1.58	1.14	1.18	0.503	0.246	0.1338	0.0798	5
6	0.0418	0.0888	0.0638	0.0418	0.388	1.48	1.27	1.04	0.488	0.240	0.1288	0.0748	6
7	0.0328	0.0598	0.0638	0.0488	0.385	1.40	1.59	0.988	0.472	0.238	0.1238	0.0888	7
8	0.0388	0.0558	0.0888	0.0488	0.503	1.38	1.78	0.983	0.483	0.228	0.1208	0.0638	8
9	0.0868	0.0588	0.0748	0.0418	0.857	1.78	1.43	1.21	0.447	0.224	0.1268	0.0848	9
10	0.0718	0.0588	0.0788	0.0408	0.886	1.71	1.68	1.33	0.427	0.242	0.1488	0.0888	10
11	0.0808	0.0818	0.0738	0.0428	0.408	1.88	1.98	1.04	0.410	0.230	0.1448	0.0888	11
12	0.0678	0.0648	0.0888	0.0488	0.387	2.18	2.14	0.889	0.388	0.224	0.1408	0.0838	12
13	0.0488	0.0888	0.0788	0.0588	0.347	2.72	2.24	0.873	0.381	0.221	0.1388	0.0838	13
14	0.0808	0.0618	0.0788	0.0618	0.317	3.88	2.42	0.782	0.388	0.218	0.1288	0.0618	14
15	0.0788	0.0548	0.0808	0.0678	0.310	3.84	2.77	0.887	0.380	0.2188	0.1388	0.0648	15
16	0.0778	0.0488	0.0618	0.0808	0.303	2.28	2.58	0.878	0.387	0.1488	0.1218	0.0638	16
17	0.0828	0.0388	0.0418	0.0488	0.300	1.48	1.88	0.880	0.388	0.0788	0.1138	0.0588	17
18	0.0638	0.0308	0.0338	0.0488	0.278	0.895	1.63	1.18	0.348	0.0808	0.1188	0.0588	18
19	0.0788	0.0278	0.0338	0.0828	0.287	0.858	1.72	1.88	0.337	0.184	0.1318	0.0638	19
20	0.0728	0.0388	0.0378	0.0848	0.238	0.784	2.08	1.87	0.334	0.194	0.1408	0.0618	20
21	0.0788	0.0588	0.0438	0.0808	0.218	0.831	1.81	1.53	0.322	0.188	0.0888	0.0488	21
22	0.0738	0.0688	0.0488	0.0618	0.214	0.834	1.38	1.21	0.318	0.187	0.0888	0.0448	22
23	0.0888	0.0708	0.0888	0.0588	0.220	0.843	1.10	0.904	0.313	0.183	0.0848	0.0428	23
24	0.0808	0.0888	0.0678	0.0688	0.211	1.08	1.04	0.727	0.308	0.183	0.0678	0.0508	24
25	0.0888	0.0858	0.0548	0.0678	0.208	1.08	0.883	0.825	0.388	0.187	0.0908	0.0588	25
26	0.0848	0.0808	0.0848	0.0848	0.205	1.23	0.888	0.877	0.284	0.187	0.0898	0.0888	26
27	0.0848	0.0658	0.0508	0.0448	0.203	1.28	1.13	0.801	0.288	0.188	0.0858	0.0748	27
28	0.0888	0.0508	0.0858	0.059	0.186	0.939	1.33	0.634	0.279	0.1588	0.0828	0.0718	28
29	0.0898		0.0808	0.108	0.222	0.855	1.18	0.802	0.283	0.1198	0.0828	0.0888	29
30	0.0838		0.0488	0.163	0.246	1.84	1.12	0.878	0.274	0.1238	0.0848	0.0888	30
31	0.0848		0.0408		0.388		1.07	0.870		0.1118		0.0718	31
TOTAL	2.024	1.448	1.832	1.888	9.088	43.833	48.411	31.244	11.802	8.087	3.487	1.883	TOTAL
MEAN	0.065	0.052	0.053	0.065	0.293	1.48	1.58	1.01	0.383	0.188	0.116	0.084	MEAN
MAX	0.087	0.070	0.078	0.163	0.457	3.88	2.77	1.80	0.537	0.270	0.148	0.100	MAX
MIN	0.031	0.026	0.033	0.038	0.137	0.622	0.888	0.870	0.274	0.080	0.082	0.042	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.445
MAXIMUM DAILY, 3.88 ON JUN 14
MINIMUM DAILY, 0.0288 ON FEB 3
MAXIMUM INSTANTANEOUS,
4.83 AT 21:84 MST ON JUN 14

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 48 00 N
LONG 118 34 59 W
DRAINAGE AREA, 30.7 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	178	JUL	4 180
FEB	126	AUG	2 700
MAR	141	SEP	894
APR	163	OCT	824
MAY	788	NOV	300
JUN	3 800	DEC	172

TOTAL DISCHARGE, 14 000 dam³

SIMONETTE RIVER NEAR GODDWIN - STATION NO. 07EF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.788	1.478	33.3	87.3	118	32.8	55.8	23.2	18.1A	---	1
2	---	---	1.888	38.1	78.8	338	88.1	30.1	47.8	30.2	---	---	2
3	---	---	1.448	1.888	34.8	81.3	478	48.2	53.8	28.8	---	---	3
4	---	---	1.348	2.108	31.5	48.8	333	388	46.2	25.8	---	---	4
5	---	---	1.388	3.048	32.4	38.3	228	358	38.2	23.8	---	---	5
6	---	---	1.488	8.838	32.8	34.8	181	178	35.8	22.4	---	---	6
7	---	---	1.488	10.1 B	31.8	30.4	118	118	82.7	21.7	---	---	7
8	---	---	1.588	8.118	31.1	28.8	88.2	87.8	88.1	21.8	---	---	8
9	---	---	1.488	8.078	27.8	28.8	181	87.8	88.8	19.8	---	---	9
10	---	---	1.488	10.8 B	24.4	74.8	241	88.2	88.2	18.7	---	---	10
11	---	---	1.448	12.8 B	21.8	183	233	82.8	81.8	17.8	---	---	11
12	---	---	1.488	18.8 B	22.1	118	188	48.7	43.2	17.8	---	---	12
13	---	---	1.478	17.3 B	27.1	88.7	183	48.3A	37.8	16.8	---	---	13
14	---	---	1.448	18.4 B	22.8	88.8	114	47.8E	32.3	18.8	---	---	14
15	---	---	1.418	14.8 B	18.2	88.8	88.4	48.8E	28.1	16.8	---	---	15
16	---	---	1.488	18.8	18.2	83.4	83.2	48.8E	27.8	17.8A	---	---	16
17	---	---	1.348	18.8	13.4	83.1	78.8	84.8E	27.2	17.4E	---	---	17
18	---	---	1.288	18.7	12.7	42.7	81.3	72.8E	28.8	17.2E	---	---	18
19	---	---	1.228	18.2	28.8	38.1	88.8	84.8E	38.7	17.4E	---	---	19
20	---	---	1.288	18.8	277	31.8	47.7	74.8E	27.4	18.8E	---	---	20
21	---	---	1.338	20.4	384	27.8	42.1	88.8E	28.8	21.8E	---	---	21
22	---	---	1.388	24.1	301	28.3	83.4	88.8E	28.8	23.8E	---	---	22
23	---	2.488	1.418	28.3	224	24.8	83.4	88.8E	28.1	24.8E	---	---	23
24	---	2.288	1.488	27.1	171	21.8	48.8	113 A	23.7	23.7E	---	---	24
25	---	1.888	1.418	24.2	183	18.8	82.1	188	21.7	22.8E	---	---	25
26	---	1.788	1.178	22.4	144	18.3	87.3	84.8	20.8	21.8E	---	---	26
27	---	1.788	1.818	21.8	138	18.4	82.8	71.8	18.8	20.8E	---	---	27
28	---	1.788	1.888	22.8	138	137	38.4	87.8	18.8	18.8E	---	---	28
29	---		1.788	25.8	111	188	35.8	72.4	17.8	18.8E	---	---	29
30	---		1.838	28.7	88.1	137	43.3	72.8	18.4	17.8E	---	---	30
31	---		1.888		81.8		38.1	88.8		18.8E			31
TOTAL	---	---	44.81	458.17	2 784.8	1 821.8	3 888.8	2 888.4	1 883.3	838.2	---	---	TOTAL
MEAN	---	---	1.48	18.3	87.2	80.7	128	83.8	38.4	20.8	---	---	MEAN
MAX	---	---	1.80	38.7	384	188	478	388	88.8	30.2	---	---	MAX
MIN	---	---	1.17	1.47	12.7	18.3	38.8	30.1	17.8	18.8	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 84.8
MAXIMUM DAILY, 478 ON JUL 2
MINIMUM DAILY, 1.178 ON MAR 28
MAXIMUM INSTANTANEOUS,
888 AT 10:30 MST ON JUL 3

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 08 30 N
LONG 118 10 30 W
DRAINAGE AREA, 8 080 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	337 000
FEB	---	AUG	228 000
MAR	3 880	SEP	81 800
APR	39 800	OCT	84 800
MAY	234 000	NOV	---
JUN	167 000	DEC	---

TOTAL DISCHARGE, 1 140 000 dam³

SLAVE RIVER AT FITZGERALD - STATION NO. 07NB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2 070B	2 380B	2 690B	1 980B	2 900B	5 880	4 480	4 890	5 480	3 880	3 370B	1 890B	1
2	2 040B	2 480B	2 650B	2 050B	3 100B	5 850	4 480	4 720	5 520	3 780	3 100B	2 130B	2
3	2 000B	2 600B	2 610B	2 150B	3 300B	5 680	4 420	4 730	5 480	3 840	2 790B	2 050B	3
4	1 990B	2 680B	2 580B	2 290B	3 600B	5 530	4 440	4 780	5 280	3 820	2 570B	2 240B	4
5	1 980B	2 680B	2 580B	2 320B	3 780B	5 510	4 560	4 860	5 120	3 510	2 400B	2 380B	5
6	1 950B	2 670B	2 500B	2 380B	4 000B	5 510	4 710	4 780	5 010	3 570	2 230B	2 480B	6
7	1 920B	2 700B	2 480B	2 380B	4 200B	5 580	4 850	4 880	4 930	3 570	2 080B	2 450B	7
8	1 890B	2 740B	2 380B	2 390B	3 800B	5 530	4 980	4 850	4 770	3 580	1 870B	2 350B	8
9	1 820B	2 740B	2 290B	2 400B	3 600B	5 680	5 070	4 430	4 830	3 600	1 800B	2 310B	9
10	1 800B	2 690B	2 210B	2 400B	3 500B	5 780	5 270	4 500	4 800	3 840	1 780B	2 370B	10
11	1 800B	2 610B	2 180B	2 380B	3 780B	5 750	5 370	4 710	4 450	3 820	1 730B	2 350B	11
12	2 020B	2 410B	2 150B	2 380B	5 760	5 730	5 370	5 080	4 180	3 700	1 670B	2 340B	12
13	2 100B	2 410B	2 150B	2 350B	5 420	5 680	5 330	5 030	4 080	3 730	1 800B	2 400B	13
14	2 140B	2 420B	2 180B	2 340B	5 280	5 620	5 250	5 440	4 080	3 730	1 770B	2 380B	14
15	2 180B	2 440B	2 200B	2 330B	5 270	5 500	5 180	5 380	4 180	3 780	1 880B	2 380B	15
16	2 180B	2 480B	2 240B	2 320B	5 330	5 380	5 170	5 270	4 280	3 830	1 960B	2 320B	16
17	2 190B	2 550B	2 280B	2 310B	5 300	5 320	5 280	5 100	4 320	3 780	2 020B	2 250B	17
18	2 190B	2 610B	2 300B	2 290B	5 240	5 430	5 450	4 980	4 310	3 850	1 980B	2 180B	18
19	2 180B	2 690B	2 320B	2 280B	5 180	5 450	5 570	4 910	4 190	3 840	1 820B	2 140B	19
20	2 180B	2 740B	2 340B	2 210B	5 180	5 370	5 500	4 800	4 090	3 880	1 800B	2 090B	20
21	2 180B	2 800B	2 350B	2 180B	5 140	5 310	5 440	4 880	3 980	3 870	1 780B	2 080B	21
22	2 190B	2 800B	2 350B	2 150B	4 900	5 220	5 430	4 870	3 880	3 870	1 840B	2 110B	22
23	2 200B	2 780B	2 280B	2 140B	4 710	5 130	5 330	4 880	3 840	3 780	1 820B	2 180B	23
24	2 210B	2 780B	2 180B	2 150B	4 800	5 080	5 120	4 940	3 780	3 780	1 900B	2 250B	24
25	2 250B	2 800B	2 150B	2 170B	4 630	4 990	4 900	4 870	3 800	3 740	1 870B	2 300B	25
26	2 280B	2 780B	2 150B	2 210B	4 720	4 800	4 910	4 820	3 800	3 710	1 880B	2 380B	26
27	2 290B	2 720B	2 120B	2 270B	5 040	4 760	4 880	5 020	3 740	3 710	1 880B	2 390B	27
28	2 270B	2 710B	2 100B	2 380B	5 330	4 730	4 780	5 110	3 730	3 740	1 890B	2 390B	28
29	2 270B		2 050B	2 510B	5 500	4 840	4 870	5 110	3 730	3 880	1 910B	2 330B	29
30	2 280B		1 980B	2 700B	5 540	4 630	4 810	5 120	3 810	3 820	1 930B	2 240B	30
31	2 310B		1 950B		5 590		4 830	5 240		3 900B		2 180B	31
TOTAL	65 430	73 780	70 880	68 880	143 080	180 280	165 380	162 400	131 170	114 090	80 880	70 380	TOTAL
MEAN	2 110	2 630	2 280	2 290	4 610	5 350	5 010	4 820	4 370	3 680	2 030	2 270	MEAN
MAX	2 310	2 800	2 680	2 700	5 780	5 780	5 570	5 440	5 520	3 880	3 370	2 480	MAX
MIN	1 800	2 380	1 950	1 950	2 900	4 530	4 420	4 430	3 730	3 510	1 570	1 950	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3 470
MAXIMUM DAILY, 5 780 ON JUN 10
MINIMUM DAILY, 1 570B ON NOV 12
MAXIMUM INSTANTANEOUS,
5 890 AT 07:14 MST ON MAY 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 52 20 N
LONG 111 35 00 W
DRAINAGE AREA, 606 000 km²

B - ICE CONDITIONS

REGULATED SINCE 1968

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 650 000	JUL	13 400 000
FEB	5 370 000	AUG	13 200 000
MAR	5 120 000	SEP	11 300 000
APR	5 930 000	OCT	8 880 000
MAY	12 400 000	NOV	5 250 000
JUN	13 900 000	DEC	5 050 000

TOTAL DISCHARGE, 109 000 000 dam³

SMOKY RIVER ABOVE HELLS CREEK - STATION NO. 07GA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	8.478	8.078	58.6	282	223	158	107	84.3	---	---	1
2	---	---	8.248	8.268	60.1	348	212	274	102	85.8	---	---	2
3	---	---	9.028	8.638	62.3	324	198	388	96.8	82.3	---	---	3
4	---	---	9.458	8.318	68.8	344	197	334	87.7	80.2	---	---	4
5	---	---	9.748	8.028	86.7	403	188	270	102	48.2	---	---	5
6	---	---	9.838	8.018	138	436	188	238	104	48.7	---	---	6
7	---	---	9.988	8.278	182	388	183	223	100	47.4	---	---	7
8	---	---	9.788	8.818	210	316	208	208	108	46.4	---	---	8
9	---	---	9.648	9.748	224	362	233	200	98.0	43.8	---	---	9
10	---	---	9.078	10.4 B	240	383	234	188	91.1	46.6	---	---	10
11	---	---	8.718	10.6 B	228	348	244	177	85.8	46.6	---	---	11
12	---	---	8.808	12.3 B	180	368	238	188	84.8	46.9	---	---	12
13	---	---	8.808	13.0 B	142	378	238	163	87.4	43.8	---	---	13
14	---	---	8.708	14.2 B	130	387	261	184	87.8	40.8	---	---	14
15	---	---	8.608	15.7 B	134	404	278	188	84.4	38.4	---	---	15
16	---	---	8.908	14.8 B	143	331	267	170	78.4	34.4	---	---	16
17	---	---	9.228	13.4 B	160	282	242	232	73.0	33.8	---	---	17
18	---	---	9.588	13.7	162	228	224	208	66.4	40.1	---	---	18
19	---	---	10.1 B	14.8	132	201	207	188	62.3	54.8	---	---	19
20	---	---	10.0 B	15.8	110	188	201	162	62.8	48.8	---	---	20
21	---	---	9.848	16.8	88.8	178	202	181	81.7	46.4	---	---	21
22	---	---	9.888	20.8	86.7	188	188	188	82.8	46.2	---	---	22
23	---	---	10.8 B	19.8	78.8	236	178	184	84.8	44.8	---	---	23
24	---	---	10.3 B	18.3	81.8	283	158	172	88.8	42.8	---	---	24
25	---	---	9.738	18.8	86.0	348	141	181	84.0	42.4	---	---	25
26	---	---	9.488	20.8	90.2	342	135	188	83.7	40.8	---	---	26
27	---	---	9.598	22.3	92.8	348	143	163	84.8	38.8	---	---	27
28	---	---	10.1 B	27.3	86.4	226	163	140	84.0	38.9	---	---	28
29	---		9.888	34.8	90.8	183	163	128	82.0	34.1	---	---	29
30	---		8.828	46.8	108	188	188	122	78.7	38.1	---	---	30
31	---		8.828		188		180	113		32.4A		---	31
TOTAL	---	---	284.68	478.48	3 823.8	8 818	8 233	6 087	2 428.2	1 378.8	---	---	TOTAL
MEAN	---	---	8.81	15.8	127	294	201	188	80.8	44.4	---	---	MEAN
MAX	---	---	10.8	46.8	240	436	261	388	108	84.3	---	---	MAX
MIN	---	---	8.47	8.01	58.8	178	138	113	81.7	32.4	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 131
MAXIMUM DAILY, 436 ON JUN 8
MINIMUM DAILY, 8.018 ON APR 8
MAXIMUM INSTANTANEOUS,
488 AT 08:44 MST ON JUN 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 58 46 N
LONG 118 08 40 W
DRAINAGE AREA, 3 840 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	539 000
FEB	---	AUG	528 000
MAR	25 500	SEP	210 000
APR	41 100	OCT	118 000
MAY	339 000	NOV	---
JUN	782 000	DEC	---

TOTAL DISCHARGE, 2 580 000 dam³

SMOKY RIVER AT WATINO - STATION NO. 07GJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	24.2B	21.9B	23.6B	38.3B	278	909	901	447	762	261	145	88.3B	1
2	24.0B	21.1B	23.6B	39.1B	326	1 170	885	480	683	263	141	108 B	2
3	24.3B	22.9B	24.3B	31.2B	378	1 280	1 790	501	688	308	138	108 B	3
4	24.6B	23.6B	23.6B	33.3B	393	1 180	1 800	1 530	606	277	150	102 B	4
5	24.6B	21.3B	23.9B	33.2B	406	1 100	1 410	1 780	643	256	160	102 B	5
6	25.0B	20.1B	24.2B	33.7B	443	1 170	1 180	1 530	608	243	164	105 B	6
7	25.0B	19.0B	23.4B	36.6B	530	1 240	1 000	1 240	588	236	170	96.7B	7
8	25.6B	19.7B	24.2B	40.4B	681	1 110	878	1 050	556	231	183	92.6B	8
9	26.2B	21.3B	23.7B	44.0B	783	988	840	803	533	223	182	81.3B	9
10	25.6B	22.3B	24.1B	45.1B	802	1 040	1 550	821	518	211	142	78.8B	10
11	25.9B	23.0B	24.6B	46.2B	821	1 620	1 730	834	575	701	137 B	74.6B	11
12	26.0B	22.4B	25.4B	51.9B	820	1 480	1 570	839	622	156	116 B	77.3B	12
13	24.6B	22.8B	25.6B	59.6B	730	1 380	1 340	787	478	187	126 B	77.6B	13
14	24.7B	22.6B	25.1B	70.2B	606	1 270	1 170	720	437	181	90.8B	81.8B	14
15	26.0B	22.3B	26.2B	82.3B	507	1 180	1 040	668	407	165	76.7B	83.8B	15
16	26.5B	22.4B	24.6B	93.7B	478	1 180	1 030	778	384	177	78.2B	85.1B	16
17	26.0B	22.4B	23.6B	116 B	482	1 040	882	816	382	188	82.6B	81.6B	17
18	25.6B	22.4B	23.2B	137 B	503	888	827	1 070	344	183	101 B	77.3B	18
19	25.1B	22.6B	24.4B	140 B	581	788	834	1 260	330	182	101 B	76.2B	19
20	24.9B	22.6B	25.1B	161 B	754	688	758	1 140	318	162	104 B	75.6B	20
21	25.1B	22.7B	24.7B	187 B	1 480	617	697	1 010	307	165	101 B	71.7B	21
22	24.6B	22.4B	24.1B	202 B	1 730	563	671	878	302	306	110 B	65.6B	22
23	24.2B	22.2B	23.6B	194	1 470	540	668	882	284	197	108 B	67.6B	23
24	23.3B	22.4B	24.0B	213	1 210	570	636	1 680	263	190	102 B	68.0B	24
25	23.4B	22.6B	25.2B	221	1 070	643	661	1 720	271	184	98.6B	76.0B	25
26	24.3B	22.6B	25.6B	213	1 080	638	677	1 320	263	178	90.5B	78.0B	26
27	23.7B	23.6B	26.6B	207	1 030	620	648	1 140	260	174	84.3B	80.3B	27
28	22.1B	23.6B	27.1B	214	1 040	706	498	1 020	238	171	105 B	102 B	28
29	20.9B		25.6B	234	959	1 070	472	920	232	186	104 B	100 B	29
30	20.0B		27.9B	260	840	981	467	895	236	183	99.7B	96.0B	30
31	20.6B		29.9B		814		488	830		184		95.7B	31
TOTAL	756.2	621.1	788.1	3 448.6	24 011	28 581	30 182	31 488	13 087	6 278	3 848.4	2 671.2	TOTAL
MEAN	24.4	22.2	24.8	115	775	985	973	1 020	437	203	118	88.2	MEAN
MAX	26.5	23.6	29.5	260	1 730	1 620	1 800	1 780	762	306	170	108	MAX
MIN	20.0	19.0	23.2	29.1	278	540	488	447	232	162	78.7	68.6	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 401
MAXIMUM DAILY, 1 800 ON JUL 4
MINIMUM DAILY, 19.0B ON FEB 7
MAXIMUM INSTANTANEOUS,
2 080 AT 18:30 MST ON AUG 24

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT. 56 42 56 N
LONG 117 37 18 W
DRAINAGE AREA, 50 300 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	88 300	JUL	2 610 000
FEB	53 700	AUG	2 730 000
MAR	88 500	SEP	1 130 000
APR	288 000	OCT	543 000
MAY	2 070 000	NOV	307 000
JUN	2 560 000	DEC	231 000

TOTAL DISCHARGE, 12 600 000 dam³

SNAKE CREEK NEAR VULCAN - STATION NO. 05AC030

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0B	0 B	0.016	0.017	0	0	0	0	0	---	---	1
2	---	0B	0 B	0.466	0.018	0	0	0	0.034	0	---	---	2
3	---	0B	0 B	0.311	0.036	0	0	0	0.002	0	---	---	3
4	---	0B	0 B	0.193	0.014	0	0	0	0	0	---	---	4
5	---	0B	0 B	0.173	0.004	0	0	0	0	0	---	---	5
6	---	0B	0 B	0.137	0.003	0	0	0	0	0	---	---	6
7	---	0B	0 B	0.127	0.002	0	0	0	0.004	0	---	---	7
8	---	0B	0 B	0.137	0.002	0	0	0	0.001	0	---	---	8
9	---	0B	0 B	0.135	0.001	0	0	0	0	0	---	---	9
10	---	0B	0.018B	0.100	0.001	0	0	0	0	0	---	---	10
11	---	0B	0.018B	0.081	0	0	0	0	0	0	---	---	11
12	---	0B	0.008B	0.084	0	0	0	0	0	0	---	---	12
13	---	0B	0 B	0.088	0	0	0	0	0	0	---	---	13
14	---	0B	0 B	0.082	0	0	0	0	0	0	---	---	14
15	---	0B	0 B	0.086	0	0	0	0	0	0	---	---	15
16	---	0B	0 B	0.077	0	0	0	0	0	0	---	---	16
17	---	0B	0 B	0.081	0	0	0	0	0	0	---	---	17
18	---	0B	0 B	0.080	0	0	0	0	0	0	---	---	18
19	---	0B	0 B	0.084	0	0	0	0	0	0	---	---	19
20	---	0B	0 B	0.045	0	0	0	0	0	0	---	---	20
21	---	0B	0 B	0.033	0	0	0	0	0	0	---	---	21
22	---	0B	0 B	0.032	0	0	0	0	0	0	---	---	22
23	---	0B	0 B	0.038	0	0	0	0	0	0	---	---	23
24	0B	0B	0.030B	0.032	0	0	0	0	0	0	---	---	24
25	0B	0B	0.200B	0.012	0	0	0	0	0	0	---	---	25
26	0B	0B	0.380B	0.009	0	0	0	0	0	0	---	---	26
27	0B	0B	0.700B	0.007	0	0	0	0	0	0	---	---	27
28	0B	0B	1.15 B	0.008	0	0	0	0	0	0	---	---	28
29	0B		1.45 B	0.013	0	0	0	0	0	0	---	---	29
30	0B		1.06 B	0.018	0	0	0	0	0	0A	---	---	30
31	0B		0.713B		0		0	0		0E		---	31
TOTAL	---	0	5.714	3.300	0.467	0	0	0	0.041	0	---	---	TOTAL
MEAN	---	0	0.184	0.107	0.003	0	0	0	0.001	0	---	---	MEAN
MAX	---	0	1.45	0.816	0.036	0	0	0	0.034	0	---	---	MAX
MIN	---	0	0	0.007	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.033
MAXIMUM DAILY, 1.45B ON MAR 29
MINIMUM DAILY, 0B ON FEB 1

SUMMARY FOR THE MONTHS FEB TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT. 50 28 20 N
LONG 113 54 48 W
DRAINAGE AREA, 260 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	0	AUG	0
MAR	494	SEP	3.84
APR	276	OCT	0
MAY	8.38	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 783 dam³

SNAKE INDIAN RIVER NEAR THE MOUTH - STATION NO. 07AB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	18.3	83.7	88.9	47.1	37.6	---	---	---	1
2	---	---	---	---	14.5	88.0	87.7	89.3	38.2	---	---	---	2
3	---	---	---	---	15.8	84.2	83.2	88.8	34.1	---	---	---	3
4	---	---	---	---	17.1	80.0	83.1	83.4	33.3	---	---	---	4
5	---	---	---	---	19.8	109	82.2	78.1	35.7	---	---	---	5
6	---	---	---	---	28.2	127	49.7	84.2	34.8	---	---	---	6
7	---	---	---	---	33.6	110	48.6	88.9	33.0	---	---	---	7
8	---	---	---	---	41.5	93.6	85.1	85.9	33.8	---	---	---	8
9	---	---	---	---	48.9	86.2	83.7	83.1	32.7	---	---	---	9
10	---	---	---	---	50.5	108	73.7	80.9	30.5	---	---	---	10
11	---	---	---	---	48.8	107	80.2	47.5	28.8	---	---	---	11
12	---	---	---	---	44.2	108	78.8	44.8	27.8	---	---	---	12
13	---	---	---	---	38.8	117	73.4	44.0	27.2	---	---	---	13
14	---	---	---	---	32.3	141 A	81.3	43.7	27.1	---	---	---	14
15	---	---	---	---	31.8	152 A	88.5	44.5	28.4	---	---	---	15
16	---	---	---	---	34.1	118 B	83.1	84.5	28.7	---	---	---	16
17	---	---	---	---	37.3	87.4	73.8	80.3	26.8	---	---	---	17
18	---	---	---	---	37.8	72.3	86.8	82.5	24.8	---	---	---	18
19	---	---	---	---	33.6	82.1	82.3	84.3	23.6	---	---	---	19
20	---	---	---	---	28.6	84.5	81.6	76.0	22.4	---	---	---	20
21	---	---	---	---	25.2	49.5	89.8	71.8	22.1	---	---	---	21
22	---	---	---	---	22.5	83.9	88.6	71.9	22.6	---	---	---	22
23	---	---	---	---	20.6	86.0	80.8	88.5	23.6	---	---	---	23
24	---	---	---	---	20.5	74.2	46.5	82.4	24.1	---	---	---	24
25	---	---	---	8.118	20.3	73.7	43.7	86.8	23.5	---	---	---	25
26	---	---	---	8.108	20.8	71.5	41.1	52.5	22.8A	---	---	---	26
27	---	---	---	7.988	22.3	78.2	41.6	48.7	21.8E	---	---	---	27
28	---	---	---	8.228	21.8	89.6	44.4	45.6	21.1E	---	---	---	28
29	---		---	11.6 B	21.9	88.1	44.7	43.8	20.3E	---	---	---	29
30	---		---	13.3 B	25.2	84.4	43.2	41.8	19.8E	---	---	---	30
31	---		---		25.2		46.8	40.1		---		---	31
TOTAL	---	---	---	---	804.3	2 833.2	1 835.4	1 901.8	824.9	---	---	---	TOTAL
MEAN	---	---	---	---	25.2	87.6	59.2	61.3	27.5	---	---	---	MEAN
MAX	---	---	---	---	50.5	152	88.9	89.3	37.8	---	---	---	MAX
MIN	---	---	---	---	14.5	48.5	41.1	40.1	19.8	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 53.9
MAXIMUM DAILY, 152A ON JUN 15
MINIMUM DAILY, 14.5 ON MAY 2
MAXIMUM INSTANTANEOUS,
152A ON JUN 15

SUMMARY FOR THE MONTHS MAY TO SEP

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 09 26 N
LONG 118 01 58 W
DRAINAGE AREA, 1 580 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	188 000
FEB	---	AUG	184 000
MAR	---	SEP	71 300
APR	---	OCT	---
MAY	78 100	NOV	---
JUN	228 000	DEC	---

TOTAL DISCHARGE, 700 000 dam³

SOUNDING CREEK NEAR CHINOOK - STATION NO. 05CA012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0	0	0	0	0	0	---	---	1
2	---	---	0B	0 B	0	0	0	0	0	0	---	---	2
3	---	---	0B	0 B	0	0	0	0	0	0	---	---	3
4	---	---	0B	0 B	0	0	0	0	0	0	---	---	4
5	---	---	0B	0 B	0	0	0	0	0	0	---	---	5
6	---	---	0B	0.0318	0	0	0	0	0	0	---	---	6
7	---	---	0B	0.0018	0	0	0	0	0	0	---	---	7
8	---	---	0B	0.0448	0	0	0	0	0	0	---	---	8
9	---	---	0B	0.0208	0	0	0	0	0	0	---	---	9
10	---	---	0B	0.0048	0	0	0	0	0	0	---	---	10
11	---	---	0B	0.0338	0	0	0	0	0	0	---	---	11
12	---	---	0B	0.0588	0	0	0	0	0	0	---	---	12
13	---	---	0B	0.1388	0	0	0	0	0	0	---	---	13
14	---	---	0B	0.080	0	0	0	0	0	0	---	---	14
15	---	---	0B	0.031	0	0	0	0	0	0	---	---	15
16	---	---	0B	0.008	0	0	0	0	0	0	---	---	16
17	---	---	0B	0	0	0	0	0	0	0	---	---	17
18	---	---	0B	0	0	0	0	0	0	0	---	---	18
19	---	---	0B	0	0	0	0	0	0	0	---	---	19
20	---	---	0B	0	0	0	0	0	0	0	---	---	20
21	---	0B	0B	0	0	0	0	0	0	0	---	---	21
22	---	0B	0B	0	0	0	0	0	0	0	---	---	22
23	---	0B	0B	0	0	0	0	0	0	0	---	---	23
24	---	0B	0B	0	0	0	0	0	0	0	---	---	24
25	---	0B	0B	0	0	0	0	0	0	0	---	---	25
26	---	0B	0B	0	0	0	0	0	0	0	---	---	26
27	---	0B	0B	0	0	0	0	0	0	0	---	---	27
28	---	0B	0B	0	0	0	0	0	0	0	---	---	28
29	---		0B	0	0	0	0	0	0	0	---	---	29
30	---		0B	0	0	0	0	0	0	0	---	---	30
31	---		0B		0		0	0		0		---	31
TOTAL	---	---	0	0.404	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.013	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.138	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.002
MAXIMUM DAILY, 0.1388 ON APR 13
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.2268 AT 06:55 MST ON APR 13

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 32 53 N
LONG 110 55 11 W
DRAINAGE AREA, 3 280 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	34.9	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 34.9 dam³

SOUNDING CREEK NEAR OYEN - STATION NO. 05GA008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0	0	0	0	0	0	---	---	1
2	---	---	0B	0.008	0	0	0	0	0	0	---	---	2
3	---	---	0B	0.009	0	0	0	0	0	0	---	---	3
4	---	---	0B	0.008	0	0	0	0	0	0	---	---	4
5	---	---	0B	0.004	0	0	0	0	0	0	---	---	5
6	---	---	0B	0.003	0	0	0	0	0	0	---	---	6
7	---	---	0B	0.002	0	0	0	0	0	0	---	---	7
8	---	---	0B	0.002	0	0	0	0	0	0	---	---	8
9	---	---	0B	0.002	0	0	0	0	0	0	---	---	9
10	---	---	0B	0.002	0	0	0	0	0	0	---	---	10
11	---	---	0B	0.002	0	0	0	0	0	0	---	---	11
12	---	---	0B	0	0	0	0	0	0	0	---	---	12
13	---	---	0B	0	0	0	0	0	0	0	---	---	13
14	---	---	0B	0	0	0	0	0	0	0	---	---	14
15	---	---	0B	0	0	0	0	0	0	0	---	---	15
16	---	---	0B	0	0	0	0	0	0	0	---	---	16
17	---	---	0B	0	0	0	0	0	0	0	---	---	17
18	---	---	0B	0	0	0	0	0	0	0	---	---	18
19	---	---	0B	0	0	0	0	0	0	0	---	---	19
20	---	---	0B	0	0	0	0	0	0	0	---	---	20
21	---	0B	0B	0	0	0	0	0	0	0	---	---	21
22	---	0B	0B	0	0	0	0	0	0	0	---	---	22
23	---	0B	0B	0	0	0	0	0	0	0	---	---	23
24	---	0B	0B	0	0	0	0	0	0	0	---	---	24
25	---	0B	0B	0	0	0	0	0	0	0	---	---	25
26	---	0B	0B	0	0	0	0	0	0	0	---	---	26
27	---	0B	0B	0	0	0	0	0	0	0	---	---	27
28	---	0B	0B	0	0	0	0	0	0	0	---	---	28
29	---		0B	0	0	0	0	0	0	0	---	---	29
30	---		0B	0	0	0	0	0	0	0		---	30
31	---		0B		0		0	0		0		---	31
TOTAL	---	---	0	0.040	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.001	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.009	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.009 ON APR 3
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.012 AT 19:20 MST ON APR 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 33 55 N
LONG 110 28 25 W
DRAINAGE AREA, 3 000 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	3.48	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 3.48 dam³

SOUSA CREEK NEAR HIGH LEVEL - STATION NO. 07DA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	17.5	16.7	1.33	0.111	0.098	0.018	---	---	1
2	---	---	0B	0 B	20.5	15.5	1.26	0.089	0.078	0.018	---	---	2
3	---	---	0B	0 B	23.5	14.3	1.39	0.082	0.081	0.018	---	---	3
4	---	---	0B	0 B	27.4	13.3	1.28	0.077	0.082	0.018	---	---	4
5	---	---	0B	0 B	28.7	12.4	1.26	0.067	0.041	0.018	---	---	5
6	---	---	0B	0 B	27.8	11.5	1.18	0.055	0.037	0.018	---	---	6
7	---	---	0B	0 B	26.3	11.0	1.10	0.042	0.034	0.018	---	---	7
8	---	---	0B	0 B	24.3	10.3	1.04	0.038	0.028	0.022	---	---	8
9	---	---	0B	0 B	22.5	9.46	0.948	0.034	0.028	0.027	---	---	9
10	---	---	0B	0 B	20.9	8.71	0.895	0.037	0.023	0.030	---	---	10
11	---	---	0B	0.0059	19.4	7.98	0.775	0.031	0.022	0.032	---	---	11
12	---	---	0B	0.0148	18.2	7.15	0.710	0.027	0.020	0.032	---	---	12
13	---	---	0B	0.0548	17.2	6.26	0.838	0.025	0.020	0.032	---	---	13
14	---	---	0B	0.1048	16.3	5.52	0.548	0.019	0.019	0.042	---	---	14
15	---	---	0B	0.0808	15.3	4.90	0.512	0.018	0.018	0.067	---	---	15
16	---	---	0B	0.1448	14.6	4.32	0.548	0.018	0.018	0.058	---	---	16
17	---	---	0B	0.1908	14.2	3.88	0.583	0.018	0.018	0.048	---	---	17
18	---	---	0B	0.2528	13.5	3.58	0.588	0.021	0.018	0.078	---	---	18
19	---	---	0B	0.2628	12.8	3.37	0.570	0.018	0.014	0.087	---	---	19
20	---	---	0B	0.2628	12.6	3.03	0.581	0.020	0.014	0.108	---	---	20
21	---	---	0B	0.2068	15.2	2.76	0.572	0.023	0.014	0.209	---	---	21
22	---	---	0B	0.2708	17.3	2.60	0.547	0.020	0.014	0.229	---	---	22
23	---	---	0B	1.02 B	20.0	2.38	0.418	0.065	0.014	0.319	---	---	23
24	---	---	0B	2.12 B	21.9	2.13	0.370	0.068	0.014	0.298	---	---	24
25	---	---	0B	4.23 B	22.7	1.98	0.343	0.061	0.014	0.328	---	---	25
26	---	---	0B	6.09 B	22.7	1.85	0.279	0.063	0.015	0.304	---	---	26
27	---	0B	0B	7.33 B	22.6	1.72	0.201	0.110	0.016	0.3078	---	---	27
28	---	0B	0B	10.1 B	21.8	1.60	0.168	0.119	0.015	0.2708	---	---	28
29	---		0B	13.5 B	20.7	1.51	0.146	0.088	0.015	0.2408	---	---	29
30	---		0B	16.7	19.4	1.42	0.121	0.068	0.018	0.2308	---	---	30
31	---		0B		18.0		0.104	0.051		0.2108		---	31
TOTAL	---	---	0	83.883	618.0	193.18	20.803	1.727	0.796	3.725	---	---	TOTAL
MEAN	---	---	0	2.09	19.9	6.44	0.671	0.058	0.027	0.120	---	---	MEAN
MAX	---	---	0	16.7	28.7	16.7	1.33	0.119	0.098	0.328	---	---	MAX
MIN	---	---	0	0	12.6	1.42	0.104	0.018	0.014	0.018	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.87
MAXIMUM DAILY, 28.7 ON MAY 5
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
29.0 AT 17:00 MST ON MAY 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 38 28 N
LONG 116 29 35 W
DRAINAGE AREA, 619 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 800
FEB	---	AUG	148
MAR	0	SEP	88.9
APR	6 400	OCT	322
MAY	53 200	NOV	---
JUN	16 700	DEC	---

TOTAL DISCHARGE, 77 800 dam³

SOUTH FORK MILK RIVER NEAR BASS - STATION NO. 11AA033

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1588	0.7088	1.83	4.59	1.39	0.851	0.934	0.598	---	---	1
2	---	---	0.1588	0.5668	1.81	3.09	1.27	0.878	0.821	0.765	---	---	2
3	---	---	0.1428	0.5668	1.87	3.43	1.25	0.793	0.738	0.738	---	---	3
4	---	---	0.1275	0.5108	1.73	3.34	1.19	0.680	0.880	0.880	---	---	4
5	---	---	0.1429	1.13 B	1.70	3.49	1.10	0.880	0.823	0.851	---	---	5
6	---	---	0.1588	4.25 B	1.70	1.95	1.08	0.708	0.878	0.851	---	---	6
7	---	---	0.2128	10.1	1.84	1.78	0.991	0.823	0.808	0.851	---	---	7
8	---	---	0.2278	5.55	2.35	1.78	0.878	0.886	0.808	0.823	---	---	8
9	---	---	0.2278	2.84	2.35	1.87	0.821	0.898	0.991	0.898	---	---	9
10	---	---	0.4258	1.90	1.95	2.12	0.963	0.898	1.08	0.898	---	---	10
11	---	---	2.27 B	1.59	1.81	10.1	1.22	0.538	1.18	0.823	---	---	11
12	---	---	3.40 B	1.95	1.73	6.01	1.05	0.481	0.891	0.765	---	---	12
13	---	---	2.83 B	2.44	1.81	4.79	2.29	0.453	0.821	0.708	---	---	13
14	---	---	1.70 B	2.80	1.50	3.71	5.97	0.453	0.738	0.823	---	---	14
15	---	---	1.42 B	3.14	1.42	3.23	2.94	0.595	0.851	0.708	---	---	15
16	---	---	1.13 B	3.40	1.30	2.78	2.18	0.708	0.568	0.708	---	---	16
17	---	---	0.9918	1.95	1.25	2.38	1.76	0.595	0.538	0.851	---	---	17
18	---	---	0.8508	1.98	1.25	2.15	1.38	0.538	1.30	0.823	---	---	18
19	---	---	0.7088	1.90	1.18	2.01	1.16	0.481	1.42	0.823	---	---	19
20	---	---	0.5668	2.24	1.13	1.93	1.08	0.453	1.02	0.823	---	---	20
21	---	---	0.4258	2.49	1.05	1.84	1.02	0.425	0.850	0.823	---	---	21
22	---	---	0.4258	2.86	0.991	1.84	0.850	0.425	0.738	0.595	---	---	22
23	---	---	0.4258	2.29	0.934	2.49	0.765	0.425	0.851	0.568	---	---	23
24	---	---	0.2838	2.04	0.963	2.32	0.765	0.878	0.595	0.568	---	---	24
25	---	---	0.4258	1.76	1.02	3.20	0.878	4.08	0.538	0.538	---	---	25
26	---	---	0.8508	1.93	1.10	3.17	1.08	3.94	0.538	0.538	---	---	26
27	---	---	1.56 B	2.01	1.05	2.18	0.850	1.90	0.538	0.538	---	---	27
28	---	---	1.42 B	1.87	1.78	1.78	0.765	1.73	0.510	0.538	---	---	28
29	---		1.13 B	1.90	2.01	1.87	0.680	1.61	0.510	0.538	---	---	29
30	---		0.8508	2.01	1.98	1.93	0.851	1.30	0.481	0.538	---	---	30
31	---		0.7088		3.80		0.851	1.13		0.510		---	31
TOTAL	---	---	28.376	72.590	49.878	89.33	40.898	29.878	23.878	19.227	---	---	TOTAL
MEAN	---	---	0.851	2.42	1.61	2.98	1.32	0.884	0.769	0.620	---	---	MEAN
MAX	---	---	3.40	10.1	3.80	10.1	5.97	4.08	1.42	0.765	---	---	MAX
MIN	---	---	0.127	0.510	0.934	1.93	0.851	0.425	0.481	0.510	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.44
MAXIMUM DAILY, 10.1 ON APR 7
MINIMUM DAILY, 0.1275 ON MAR 4
MAXIMUM INSTANTANEOUS,
12.8 AT 18 00 MST ON JUN 11

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 48 14 N
LONG 113 10 00 W
DRAINAGE AREA, 181 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	3 530
FEB	---	AUG	2 340
MAR	2 280	SEP	2 050
APR	6 270	OCT	1 550
MAY	4 310	NOV	---
JUN	7 720	DEC	---

TOTAL DISCHARGE, 30 400 dam³

SOUTH HEART RESERVOIR NEAR MCLENNAN - STATION NO. 07EF005

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	3.702	3.694	3.714	3.800	3.812	3.858	3.884	3.948	---	---	1
2	---	---	3.703	3.688	3.706	3.801	3.824	3.874	3.873	3.968	---	---	2
3	---	---	3.703	3.680	3.705	3.800	3.820	3.865	3.878	3.970	---	---	3
4	---	---	3.703	3.672	3.707	3.802	3.814	3.883	3.882	3.979	---	---	4
5	---	---	3.700	3.668	3.688	3.802	3.807	3.908	3.899	3.988	---	---	5
6	---	---	3.698	3.680	3.698	3.810	3.895	3.914	3.901	3.998	---	---	6
7	---	---	3.704	3.684	3.698	3.818	3.884	3.926	3.911	3.999	---	---	7
8	---	---	3.704	3.644	3.700	3.831	3.866	3.948	3.914	3.998	---	---	8
9	---	---	3.703	3.640	3.706	3.844	3.867	3.951	3.924	4.020	---	---	9
10	---	---	3.702	3.637	3.693	3.844	3.862	3.949	3.930	4.021	---	---	10
11	---	---	3.701	3.632	3.688	3.883	3.878	3.883	3.938	4.021	---	---	11
12	---	---	3.701	3.636	3.677	3.882	3.878	3.880	3.938	4.031	---	---	12
13	---	---	3.701	3.651	3.680	3.888	3.877	3.887	3.937	4.040	---	---	13
14	---	---	3.702	3.669	3.680	3.856	3.871	3.889	3.936	4.038	---	---	14
15	---	---	3.698	3.688	3.688	3.863	3.878	3.889	3.943	4.038	---	---	15
16	---	---	3.698	3.698	3.681	3.863	3.884	3.870	3.937	4.048	---	---	16
17	---	---	3.699	3.698	3.689	3.843	3.878	3.880	3.937	4.054	---	---	17
18	---	---	3.698	3.620	3.677	3.812	3.878	3.883	3.931	4.054	---	---	18
19	---	---	3.698	3.630	3.673	3.808	3.879	3.884	3.928	4.055	---	---	19
20	---	---	3.697	3.638	3.681	3.788	3.879	3.884	3.938	4.059	---	---	20
21	---	---	3.691	3.648	3.681	3.775	3.888	3.888	3.936	4.065	---	---	21
22	---	---	3.681	3.655	3.704	3.785	3.851	3.704	3.933	4.061	---	---	22
23	---	---	3.672	3.664	3.724	3.749	3.880	3.717	3.935	4.059	---	---	23
24	---	3.711A	3.682	3.677	3.744	3.736	3.888	3.732	3.931	4.062	---	---	24
25	---	3.710	3.690	3.689	3.763	3.717	3.883	3.748	3.939	4.060	---	---	25
26	---	3.707	3.690	3.696	3.788	3.706	3.884	3.787	3.928	4.074	---	---	26
27	---	3.707	3.683	3.703	3.761	3.677	3.882	3.787	3.934	4.063	---	---	27
28	---	3.703	3.823	3.707	3.788	3.681	3.888	3.805	3.935	4.067	---	---	28
29	---		3.815	3.711	3.787	3.639	3.889	3.828	3.933	4.064	---	---	29
30	---		3.808	3.712	3.803	3.639	3.889	3.828	3.948	4.083A	---	---	30
31	---		3.800		3.799		3.888	3.854		4.082E		---	31
MEAN	---	---	3.680	3.612	3.714	3.788	3.878	3.887	3.932	4.032	---	---	MEAN
MAX	---	---	3.704	3.712	3.803	3.888	3.824	3.884	3.948	4.074	---	---	MAX
MIN	---	---	3.800	3.632	3.681	3.639	3.851	3.888	3.884	3.948	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 40 50 N
LONG 118 35 50 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
2 050 km²

WATER LEVELS ARE REFERRED TO ASSUMED DATUM
APPLY 622.068 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

SOUTH SASKATCHEWAN RIVER AT HIGHWAY NO. 41 - STATION NO. 05AK001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	57.0B	60.7B	70.0B	95.5B	73.5	85.6	146	81.0	115	131	134	172 B	1
2	56.0B	60.0B	71.8B	97.0B	74.0	80.7	133	49.0	99.7	92.6	128	167 B	2
3	46.0B	70.0B	73.7B	102 B	86.0	80.8	112	42.7	111	86.3	126	150 B	3
4	46.8B	56.0B	74.0B	110 B	80.6	81.2	111	40.5	117	86.5	118	142 B	4
5	44.8B	51.0B	73.0B	117 B	48.6	102	104	40.5	115	85.3	120	140 B	5
6	46.0B	50.0B	70.3B	122 B	44.6	138	86.3	46.5	118	81.8	124	130 B	6
7	46.1B	51.0B	68.8B	130 B	45.4	161	84.1	51.7	128	87.8	130	116 B	7
8	46.8B	53.0B	69.2B	135 B	57.4	164	88.1	80.8	148	86.4	135	116 B	8
9	46.0B	55.4B	71.8B	140 B	63.6	194	78.2	46.8	131	86.7	138	115 B	9
10	46.5B	57.5B	76.0B	144 B	86.3	189	86.3	46.4	133	86.6	129	106 B	10
11	45.0B	60.5B	79.3B	144 B	161	219	88.1	47.5	132	131	123	101 B	11
12	43.0B	63.5B	81.8B	133 B	180	288	86.6	48.3	171	125	118	98.8B	12
13	43.0B	66.0B	82.0B	137 B	223	322	82.6	45.8	184	118	118	98.0B	13
14	44.0B	69.0B	80.5B	136 B	280	386	46.8	40.3	180	114	118	70.0B	14
15	46.0B	72.0B	78.0B	143	271	464	46.8	38.2	190	111	120	47.0B	15
16	50.0B	74.5B	77.0B	162	274	442	86.0	41.2	181	86.7	207	48.5B	16
17	54.0B	77.5B	76.5B	184	242	403 E	76.3	44.1	152	81.8	215	50.0B	17
18	56.7B	80.0B	76.0B	186	206	386 E	87.3	46.0	184	106	227	52.0B	18
19	55.0B	80.5B	76.0B	186	176	363 E	86.8	47.3	182	100	246	53.0B	19
20	70.8B	80.0B	74.0B	182	137	376 A	82.3	46.6	165	105	237	53.5B	20
21	76.5B	78.0B	73.0B	186	122	381	74.2	47.8	133	107	260	53.0B	21
22	76.0B	76.0B	72.5B	138	121	368	86.6	47.5	126	106	240	52.0B	22
23	74.6B	74.0B	72.5B	116	124	336	72.4	46.0	127	106	230	49.0B	23
24	73.7B	70.0B	73.0B	95.6	123	284	76.5	80.7	128	106	202	46.0B	24
25	72.4B	66.0B	74.0B	78.4	108	226	74.9	86.0	133	111	181	43.0B	25
26	71.7B	67.3B	74.5B	82.9	94.3	209	73.6	86.5	135	115	2588	42.0B	26
27	70.3B	67.4B	76.0B	130	88.0	196	86.2	104	131	116	2648	42.5B	27
28	74.0B	66.5B	78.0B	133	85.7	184	83.4	102	127	119	2208	49.0B	28
29	76.0B		83.0B	117	83.5	186	86.6	103	118	121	1638	80.0B	29
30	80.2B		88.0B	80.4	81.2	180	84.6	104	113	126	1888	85.0B	30
31	81.0B		93.0B		98.6		81.2	105		133		180 B	31
TOTAL	1 833.9	1 697.6	2 358.6	3 834.6	3 901.4	7 474.6	2 248.4	1 833.5	4 130.7	3 333.2	5 213	2 700.3	TOTAL
MEAN	59.2	67.6	76.0	128	126	249	78.6	59.1	138	108	174	87.1	MEAN
MAX	81.0	80.7	93.0	166	274	464	148	105	190	133	260	172	MAX
MIN	43.0	50.0	68.8	78.4	44.6	80.8	46.8	39.2	99.7	86.3	118	42.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 112
MAXIMUM DAILY, 464 ON JUN 15
MINIMUM DAILY, 39.2 ON AUG 15
MAXIMUM INSTANTANEOUS,
473 AT 14:13 MST ON JUN 15

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 44 15 N
LONG 110 05 45 W
DRAINAGE AREA, 58 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	198 000	JUL	203 000
FEB	184 000	AUG	188 000
MAR	204 000	SEP	357 000
APR	331 000	OCT	288 000
MAY	337 000	NOV	450 000
JUN	648 000	DEC	233 000

TOTAL DISCHARGE, 3 830 000 dam³

SOUTH SASKATCHEWAN RIVER AT MEDICINE HAT - STATION NO. 05AJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	48.0B	70.0B	73.7B	102 B	83.6	82.6	114	43.8A	83.5A	80.5	126	180 B	1
2	46.8B	66.0B	74.0B	110 B	84.2	76.8	101	40.0A	106 A	87.7	121	143 B	2
3	44.6B	51.0B	73.0B	117 B	81.8	88.6	101 A	37.8A	106 A	102	117	140 B	3
4	46.0B	50.0B	70.3B	122 B	37.5	116	86.8A	46.8A	110 A	86.4	123	130 B	4
5	46.1B	51.0B	68.8B	130 B	41.8	141	87.7A	83.8A	112 A	88.4	127	116 B	5
6	46.8B	53.0B	69.3B	138 B	86.3	156	81.2A	81.3A	128 A	100	131	116 B	6
7	46.0B	55.4B	71.8B	140 B	82.4	172	77.5	46.8A	127 A	84.3	133	116 B	7
8	46.5B	57.5B	76.0B	144 B	73.9	178	87.2	46.8A	121 A	86.1	130	106 B	8
9	45.0B	60.5B	79.3B	144 B	102	188	85.0	48.1A	118 A	117	131	101 B	9
10	43.0B	63.5B	81.8B	133 B	188	206	86.6	80.4A	134 A	126 A	116A	98.8B	10
11	43.0B	66.0B	82.0B	137	180	278	81.1	46.8A	182	121 A	117A	85.0B	11
12	44.0B	69.0B	80.5B	136	220	313	46.0	37.8A	171	114	116A	70.0B	12
13	46.0B	72.0B	78.0B	136	238	408	44.9	37.8A	178	112	116	47.0B	13
14	50.0B	74.5B	77.0B	131	285 A	486	46.8A	40.4A	178 A	111	138	48.5B	14
15	54.0B	77.5B	76.5B	138	246 A	484	76.0A	46.8A	171 E	86.6	142	50.0B	15
16	56.7B	80.0B	76.0B	143	226	418	83.1	47.4A	161 E	114	182A	52.0B	16
17	55.0B	80.5B	76.0B	143	187	388	86.3A	47.8A	161 E	103	246E	53.0B	17
18	70.8B	80.0B	74.0B	150	187	376	83.8A	48.0A	143 E	108	237E	53.5B	18
19	76.5B	76.0B	73.0B	138	120	376	86.8A	48.1A	133 E	111	280E	52.0B	19
20	76.0B	76.0B	72.5B	136	117	377	86.0A	80.0A	123 A	112	240E	52.0B	20
21	74.6B	74.0B	73.0B	116	114	368	73.8A	81.1A	123 A	114	230E	48.0B	21
22	73.7B	70.0B	73.0B	86.3	122	316	72.8A	87.8A	126 A	114	224A	46.0B	22
23	72.4B	66.0B	74.0B	72.3	107	246	76.7	83.8A	128 A	116	244	43.0B	23
24	71.7B	67.3B	74.5B	81.2	90.9	206	86.0A	80.7A	128 A	119	268	42.0B	24
25	70.3B	67.4B	76.0B	111	87.6	186	86.3E	81.3A	126 A	119	264	42.5B	25
26	74.0B	66.5B	78.0B	127	84.4	176	87.8A	83.8A	130	122	3208	48.0B	26
27	76.0B	70.0B	83.0B	118	84.1	166	81.2A	84.8A	133	122	1638	80.0B	27
28	80.2B	71.5B	86.0B		84.0	146	84.2	85.8A	116	126	1888	85.0B	28
29	81.0B		83.0B	86.6	84.9	140	80.8A	84.8A	126	130	1728	180 B	29
30	80.7B		86.5B	71.0	86.0	134	80.8A	103 A	108	134	1878	180 B	30
31	80.0B		87.0B		82.3		46.2A	101 A		128		120 B	31
TOTAL	1 881.6	1 878.6	2 408.2	3 888.4	3 708.8	7 369.8	2 108.4	1 870.7	3 884.8	3 442.8	5 122	2 881.3	TOTAL
MEAN	60.7	67.1	77.6	130	120	246	87.8	80.3	133	111	171	88.8	MEAN
MAX	81.0	80.5	87.0	150	288	486	114	103	178	134	280	180	MAX
MIN	43.0	50.0	68.8	81.2	37.5	76.8	44.8	37.8	83.5	88.1	118	42.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 110
MAXIMUM DAILY, 488 ON JUN 14
MINIMUM DAILY, 37.5 ON MAY 4
MAXIMUM INSTANTANEOUS,
498 AT 10:35 MST ON JUN 14

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 02 36 N
LONG 110 40 40 W
DRAINAGE AREA, 58 400 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	163 000	JUL	182 000
FEB	162 000	AUG	182 000
MAR	204 000	SEP	343 000
APR	310 000	OCT	287 000
MAY	320 000	NOV	443 000
JUN	638 000	DEC	228 000

TOTAL DISCHARGE, 3 480 000 dam³

SOUTH WABASCA LAKE NEAR DESMARAIS - STATION NO. 07JA002

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.388	0.848	0.702	0.838	0.848	0.885	0.741	---	1
2	---	---	---	---	0.388	0.882	0.721	0.849	0.843	0.878	0.734A	---	2
3	---	---	---	---	0.380	0.888	0.783	0.888	0.844	0.873	---	---	3
4	---	---	---	---	0.387	0.702	0.788	0.887	0.844	0.882	---	---	4
5	---	---	---	---	---	0.712	0.777	0.894	0.844	0.895	---	---	5
6	---	---	---	---	---	0.717	0.788	0.887	0.842	0.888	---	---	6
7	---	---	---	---	---	0.724	0.788	0.902	0.834	0.882	---	---	7
8	---	---	---	---	---	0.728	0.802	0.910	0.847	0.837	---	---	8
9	---	---	---	---	---	0.732	0.808	0.904	0.843	0.886	---	---	9
10	---	---	---	---	---	0.738	0.820	0.909	0.848	0.844	---	---	10
11	---	---	---	---	---	0.745	0.817	0.918	0.842	0.842	---	---	11
12	---	---	---	0.362A	---	0.750	0.823	0.923	0.830	0.838	---	---	12
13	---	---	---	0.350	---	0.758	0.822	0.926	0.825	0.834	---	---	13
14	---	---	---	0.348	---	0.735	0.821	0.923	0.817	0.831	---	---	14
15	---	---	---	0.361	---	0.719	0.821	0.922	0.820	0.818	---	---	15
16	---	---	---	0.353	---	0.714	0.808	0.912	0.818	0.832	---	---	16
17	---	---	---	0.381	0.370A	0.714	0.810	0.911	0.818	0.828	---	---	17
18	---	---	---	0.382	0.388	0.708	0.821	0.917	0.814	0.811	---	---	18
19	---	---	---	0.382	0.382	0.700	0.821	0.917	0.807	0.802	---	---	19
20	---	---	---	0.383	0.384	0.702	0.828	0.908	0.808	0.788	---	---	20
21	---	0.334A	---	0.385	0.428	0.713	0.841	0.907	0.802	0.782	---	---	21
22	---	---	---	0.387	0.455	0.708	0.830	0.912	0.809	0.785	---	---	22
23	---	---	---	0.388	0.485	0.707	0.829	0.918	0.885	0.782	---	---	23
24	---	---	---	0.380	0.488	0.705	0.824	0.918	0.889	0.778	---	---	24
25	---	---	---	0.387	0.478	0.711	0.830	0.918	0.890	0.772	---	---	25
26	---	---	---	0.385	0.492	0.710	0.836	0.911	0.882	0.788	---	---	26
27	---	---	---	0.384	0.510	0.888	0.834	0.918	0.872	0.787	---	---	27
28	---	---	---	0.384	0.547	0.893	0.828	0.928	0.878	0.747	---	---	28
29	---		0.374A	0.384	0.580	0.895	0.818	0.941	0.870	0.787	---	---	29
30	---		---	0.384	0.610	0.883	0.831	0.941	0.874	0.747	---	---	30
31	---		---		0.632		0.837	0.943		0.748		---	31
MEAN	---	---	---	---	---	0.711	0.808	0.908	0.818	0.815	---	---	MEAN
MAX	---	---	---	---	---	0.788	0.841	0.943	0.847	0.885	---	---	MAX
MIN	---	---	---	---	---	0.848	0.702	0.838	0.870	0.748	---	---	MIN

WATER LEVELS IN METRES

A - MANUAL GAUGE

MAXIMUM DAILY, 0.947 ON SEP 8

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 58 23 N
LONG 113 48 18 W

DRAINAGE AREA,
1 800 km²

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SPRAY POWER DIVERSION AT CANMORE - STATION NO. 05BE007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.84	15.1	10.1	8.38	8.23	11.3	8.24	18.4	17.1	5.27	11.8	10.0	1
2	8.88	13.2	12.7	8.18	7.11	10.8	8.81	18.4	17.1	4.25	11.8	8.88	2
3	8.43	13.8	15.8	10.2	7.88	8.82	10.0	18.2	10.7	4.30	12.1	8.88	3
4	8.84	11.2	7.78	8.80	7.88	8.81	17.0	11.8	12.7	4.11	7.78	11.8	4
5	7.22	8.81	8.81	11.4	7.18	11.8	17.0	7.23	18.7	7.08	8.88	11.4	5
6	7.14	11.8	10.8	11.3	8.82	14.1	14.3	7.18	17.1	7.18	11.4	12.1	6
7	8.41	8.44	11.0	11.8	8.71	13.7	16.8	8.88	18.4	7.02	11.3	11.4	7
8	8.48	10.7	8.38	8.84	8.78	20.0	8.72	8.81	18.8	5.72	10.8	11.3	8
9	8.80	10.8	8.38	8.81	8.47	20.8	7.28	18.8	17.2	8.48	11.2	7.08	9
10	8.81	11.3	10.8	11.3	10.7	18.0	14.4	18.0	17.8	8.34	11.3	7.73	10
11	8.28	7.88	8.30	11.1	11.3	14.4	8.80	14.4	17.8	7.87	8.88	10.8	11
12	8.15	8.83	8.27	13.8	11.4	18.7	8.41	4.30	8.41	8.28	8.72	10.3	12
13	8.34	10.8	8.18	12.8	8.87	18.8	7.33	11.4	13.8	8.88	8.48	10.4	13
14	8.72	7.80	8.81	11.8	8.83	18.8	8.88	14.1	11.0	7.83	8.84	8.87	14
15	8.00	10.8	8.88	8.71	8.41	18.8	2.88	14.1	14.0	7.88	10.1	11.4	15
16	10.1	8.84	8.88	10.1	8.38	21.2	1.80	17.2	14.0	7.78	10.8	8.40	16
17	10.8	7.11	10.8	11.4	8.17	17.0	8.40	10.0	18.8	8.82	8.80	8.88	17
18	8.30	8.78	8.83	11.0	8.26	17.7	8.88	18.7	17.0	8.88	8.48	10.1	18
19	8.81	8.78	8.13	10.8	10.1	21.8	8.34	11.4	14.1	8.86	8.88	11.4	19
20	7.08	8.88	13.2	11.4	8.82	17.0	7.11	8.88	11.3	8.87	8.88	4.88	20
21	4.11	10.8	11.3	11.8	8.23	17.0	11.3	12.1	11.0	7.02	8.71	11.3	21
22	4.22	8.81	10.3	8.81	10.3	15.8	8.88	11.4	11.2	7.18	8.88	10.1	22
23	8.84	8.47	10.3	7.84	11.3	17.0	7.87	10.4	8.30	7.73	10.0	7.88	23
24	8.77	8.00	8.88	8.24	12.8	8.81	11.8	11.4	11.1	7.78	8.30	8.88	24
25	11.8	8.88	8.78	8.88	13.7	8.44	11.1	11.4	11.8	7.83	8.78	8.72	25
26	10.1	8.87	8.84	11.8	11.4	14.2	12.7	7.22	8.83	8.21	8.89	7.89	26
27	10.2	10.3	10.0	4.18	7.21	8.88	14.1	7.11	8.88	8.28	10.8	8.87	27
28	4.87	8.84	14.0	8.40	8.88	18.8	17.2	11.2	8.80	8.81	8.80	10.8	28
29	10.2		7.83	3.82	8.87	17.0	13.3	8.87	8.83	10.2	8.80	10.7	29
30	13.3		8.81	3.87	8.28	17.1	13.1	18.8	8.47	11.4	10.3	8.85	30
31	12.8		7.31		10.4		17.8	17.1		12.0		8.14	31
TOTAL	282.31	267.11	291.82	288.81	288.91	458.83	322.88	383.08	394.12	238.81	280.78	278.32	TOTAL
MEAN	9.14	9.18	9.41	9.83	8.71	15.2	10.4	12.4	13.1	7.61	8.35	8.88	MEAN
MAX	13.3	15.1	15.8	13.8	12.8	21.8	17.8	19.0	18.8	12.0	12.1	12.1	MAX
MIN	4.11	8.44	8.84	3.87	8.38	8.88	1.80	4.30	8.30	4.11	8.88	4.88	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.2
MAXIMUM DAILY, 21.8 ON JUN 18
MINIMUM DAILY, 1.80 ON JUL 18

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 51 05 30 N
LONG 115 32 25 W

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	31 600	JUL	27 900
FEB	33 200	AUG	33 100
MAR	35 200	SEP	34 100
APR	35 000	OCT	19 600
MAY	35 300	NOV	24 300
JUN	38 800	DEC	24 000

TOTAL DISCHARGE, 330 000 dam³

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED

SPRAY RESERVOIR AT THREE SISTERS DAM - STATION NO. 05BC005

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1892.06	1890.67	1889.50	1887.83	1886.40	1887.21	1891.86	1893.70	1894.47	1894.42	1894.11	1893.42	1
2	1892.05	1890.76	1888.45	1887.76	1886.40	1887.28	1891.76	1893.86	1894.46	1894.46	1894.07	1893.40	2
3	1892.04	1890.70	1888.32	1887.71	1886.40	1887.37	1891.86	1893.67	1894.51	1894.47	1894.03	1893.38	3
4	1892.01	1890.64	1888.28	1887.64	1886.40	1887.50	1891.80	1893.59	1894.53	1894.46	1894.01	1893.35	4
5	1891.98	1890.59	1888.26	1887.59	1886.40	1887.58	1891.86	1893.73	1894.56	1894.47	1893.98	1893.31	5
6	1891.95	1890.60	1888.18	1887.53	1886.40	1887.68	1893.01	1893.77	1894.57	1894.47	1893.95	1893.27	6
7	1891.92	1890.55	1888.11	1887.47	1886.40	1888.13	1892.08	1893.78	1894.58	1894.48	1893.92	1893.24	7
8	1891.90	1890.47	1888.08	1887.41	1886.46	1888.31	1892.13	1893.81	1894.58	1894.48	1893.88	1893.19	8
9	1891.86	1890.41	1888.01	1887.37	1886.55	1888.50	1892.22	1893.83	1894.54	1894.51	1893.81	1893.15	9
10	1891.82	1890.34	1888.98	1887.28	1886.68	1888.71	1892.27	1893.87	1894.54	1894.48	1893.80	1893.13	10
11	1891.78	1890.28	1888.80	1887.24	1886.78	1888.82	1892.38	1893.87	1894.58	1894.48	1893.78	1893.10	11
12	1891.76	1890.26	1888.68	1887.14	1886.82	1888.11	1892.66	1893.87	1894.58	1894.48	1893.81	1893.08	12
13	1891.71	1890.20	1888.61	1887.08	1886.88	1888.31	1892.86	1893.88	1894.59	1894.48	1893.80	1893.03	13
14	1891.66	1890.15	1888.73	1887.01	1886.95	1888.56	1892.86	1893.86	1894.58	1894.47	1893.77	1893.01	14
15	1891.88	1890.09	1888.88	1886.98	1887.01	1888.77	1892.77	1893.87	1894.58	1894.47	1893.79	1892.98	15
16	1891.82	1890.04	1888.82	1888.82	1887.07	1890.08	1892.82	1893.87	1894.58	1894.48	1893.78	1892.84	16
17	1891.88	1890.00	1888.87	1888.88	1887.08	1890.28	1893.02	1893.90	1894.60	1894.44	1893.74	1892.82	17
18	1891.82	1889.97	1888.83	1888.80	1887.10	1890.38	1893.12	1893.81	1894.48	1894.44	1893.72	1892.88	18
19	1891.48	1889.94	1888.49	1888.73	1887.13	1890.50	1893.18	1893.88	1894.41	1894.43	1893.70	1892.83	19
20	1891.48	1889.91	1888.28	1888.88	1887.18	1890.58	1893.28	1894.01	1894.41	1894.43	1893.88	1892.81	20
21	1891.43	1889.84	1888.32	1888.82	1887.18	1890.88	1893.35	1894.08	1894.40	1894.41	1893.87	1892.78	21
22	1891.41	1889.82	1888.26	1888.88	1887.18	1890.73	1893.43	1894.11	1894.38	1894.40	1893.86	1892.74	22
23	1891.38	1889.77	1888.22	1888.88	1887.18	1890.78	1893.48	1894.18	1894.38	1894.38	1893.83	1892.72	23
24	1891.31	1889.88	1888.18	1888.82	1887.18	1890.88	1893.52	1894.18	1894.38	1894.37	1893.81	1892.71	24
25	1891.28	1889.88	1888.17	1888.80	1887.18	1891.00	1893.58	1894.22	1894.40	1894.38	1893.88	1892.88	25
26	1891.20	1889.87	1888.18	1888.48	1887.13	1891.18	1893.58	1894.27	1894.42	1894.33	1893.88	1892.88	26
27	1891.18	1889.80	1888.07	1888.47	1887.14	1891.31	1893.64	1894.31	1894.42	1894.28	1893.88	1892.83	27
28	1891.12	1889.83	1887.98	1888.48	1887.18	1891.38	1893.64	1894.37	1894.43	1894.28	1893.84	1892.84	28
29	1891.08		1887.88	1888.42	1887.17	1891.44	1893.87	1894.43	1894.42	1894.24	1893.48	1892.83	29
30	1891.01		1887.80	1888.43	1887.18	1891.83	1893.88	1894.43	1894.40	1894.18	1893.46	1892.81	30
31	1890.84		1887.88		1887.18		1893.88	1894.46		1894.14		1892.80	31
MEAN	1891.88	1890.18	1888.84	1887.00	1886.88	1888.80	1892.82	1893.88	1894.48	1894.41	1893.78	1892.96	MEAN
MAX	1892.08	1890.87	1888.80	1887.83	1887.18	1891.83	1893.88	1894.48	1894.88	1894.81	1893.42	1892.80	MAX
MIN	1890.84	1889.83	1887.88	1888.42	1886.40	1887.21	1891.88	1893.87	1894.38	1894.14	1893.48	1892.80	MIN

SUMMARY FOR THE YEAR 1989

WATER LEVELS IN METRES

MEAN, 1891.37
MAXIMUM DAILY, 1894.88 ON SEP 13
MINIMUM DAILY, 1886.40 ON MAY 1

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 59 00 N
LONG 115 32 00 W
DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SPRAY RIVER AT BANFF - STATION NO. 05BC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.028	1.158	2.038	2.158	2.43	3.13	5.04	3.07	4.07	2.88	1.68A	2.168	1
2	2.158	1.078	1.878	1.848	2.64	3.62	4.73	3.12	4.14	2.48	1.68E	2.008	2
3	2.208	1.148	1.778	1.788	2.80	3.68	4.81	3.20	4.32	2.48	1.68E	2.088	3
4	2.088	1.208	1.648	1.888	2.80	4.30	4.41	2.97	4.20	2.42	1.80E	2.588	4
5	1.708	1.158	2.048	1.508	3.01	5.24	4.28	3.80	4.43	2.40	2.01E	2.848	5
6	1.618	1.628	2.328	1.508	3.33	6.39	4.18	2.83	4.47	2.41	2.00E	2.308	6
7	1.788	1.748	2.308	1.838	3.50	6.56	4.08	2.88	4.42	2.37	1.88E	2.088	7
8	1.818	1.888	2.248	1.898	3.83	6.31	4.18	3.07	4.27	2.36	1.87E	1.928	8
9	2.108	1.858	2.188	1.618	4.24	7.03	4.08	3.48	4.18	2.35	2.18E	1.888	9
10	2.288	2.158	2.318	1.588	4.87	8.84	4.05	3.28	4.00	2.38	2.28E	2.028	10
11	2.438	2.288	2.308	1.858	4.48	8.80	4.20	3.80	3.84	2.38	2.14E	1.848	11
12	2.308	2.318	2.228	1.788	5.83	8.52	3.81	3.84	3.81	2.38	2.01E	1.878	12
13	2.098	2.318	2.358	1.618	5.63	8.84	3.84	3.83	3.43	2.35	2.00E	1.828	13
14	1.888	2.288	2.418	1.888	5.33	7.22	3.84	3.88	3.30	2.33	2.23E	1.888	14
15	1.718	1.828	2.168	1.788	5.07	7.84	4.00	3.80	3.17	2.27	2.27E	1.848	15
16	1.628	1.508	2.148	1.888	5.02	7.78	4.62	3.76	3.13	2.35	2.20E	1.818	16
17	1.778	1.318	1.888	1.768	5.08	8.84	4.24	4.48	3.18	2.10	2.18E	1.868	17
18	1.838	1.838	1.848	1.838	5.07	8.83	4.06	4.52	3.14	2.21	2.20E	1.778	18
19	1.488	1.988	2.388	1.878	5.00	8.81	3.84	5.05	3.08	2.17	2.32E	1.858	19
20	1.438	2.288	2.848	1.988	5.84	8.43	3.80	4.85	3.00	2.20	2.42E	1.978	20
21	1.488	2.508	2.818	1.828	5.77	4.80	3.78	4.48	2.91	2.16	2.28E	1.838	21
22	1.388	2.588	2.878	1.738	5.67	4.82	3.88	4.37	2.88	2.13	2.08E	1.818	22
23	1.308	2.588	2.778	1.788	5.87	4.43	3.84	4.30	2.84	2.13	2.03E	1.808	23
24	1.228	2.528	2.878	1.718	5.84	4.58	3.41	4.08	2.84	2.14	2.14E	1.888	24
25	1.138	2.428	2.818	1.858	5.88	4.70	3.31	3.91	2.82	2.10	2.22E	1.888	25
26	1.388	2.318	2.808	1.888	5.84	4.83	3.24	3.87	2.78	2.08	2.17E	1.808	26
27	1.408	2.308	2.858	1.88A	5.87	5.43	3.20	3.85	2.63	2.07	2.08E	1.858	27
28	1.428	2.308	2.418	1.81A	5.51	5.04	3.20	4.44	2.58	2.15	2.14E	1.828	28
29	1.518		2.328	1.78	5.44	4.81	3.08	4.44	2.58	1.95	2.24E	1.848	29
30	1.888		2.248	2.31	5.48	4.81	3.05	4.43	2.58	2.12	2.27E	1.848	30
31	1.048		2.208		5.72		3.05	4.38		2.10		1.888	31
TOTAL	53.18	54.88	71.77	53.72	88.08	188.23	120.42	114.22	102.78	88.82	83.47	58.82	TOTAL
MEAN	1.71	1.95	2.32	1.78	2.87	6.81	3.88	3.68	3.43	2.36	2.12	1.83	MEAN
MAX	2.43	2.58	2.81	2.31	5.87	7.78	5.04	5.05	4.47	2.58	2.43	2.58	MAX
MIN	1.04	1.07	1.77	1.58	2.43	3.13	3.05	2.83	2.58	1.88	1.88	1.53	MIN

SUMMARY FOR THE YEAR 1989

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.81
MAXIMUM DAILY, 7.78 ON JUN 16
MINIMUM DAILY, 1.048 ON JAN 31
MAXIMUM INSTANTANEOUS,
8.08 AT 08:45 MST ON JUN 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 08 35 N
LONG 115 33 18 W
DRAINAGE AREA, 745 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1945

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	4 880	JUL	10 400
FEB	4 730	AUG	8 870
MAR	6 300	SEP	8 860
APR	4 880	OCT	8 040
MAY	8 210	NOV	8 480
JUN	14 800	DEC	8 180

TOTAL DISCHARGE, 88 800 dam³

SOUAW COULEE DIVERSION BELOW SOUAW COULEE DAM - STATION NO. 05AC017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	0	1.00	1.28	0.848	0.841	0.718	---	---	1
2	---	---	---	0	0	1.00	1.28	0.807	0.842	0.718	---	---	2
3	---	---	---	0	0	1.01	1.28	0.476	0.843	0.723	---	---	3
4	---	---	---	0	0.048	1.02	1.28	0.837	0.843	0.724	---	---	4
5	---	---	---	0	0.361	1.03	1.26	0.808	0.843	0.723	---	---	5
6	---	---	---	0	0.376	1.07	1.28	0.784	0.843	0.721	---	---	6
7	---	---	---	0	0.348	1.08	1.28	0.780	0.842	0.720	---	---	7
8	---	---	---	0	0.416	1.09	1.26	0.780	0.843	0.718	---	---	8
9	---	---	---	0	0.511	1.10	1.24	0.741	0.848	0.717	---	---	9
10	---	---	---	0	0.529	1.09	1.20	0.734	0.849	0.714	---	---	10
11	---	---	---	0	0.552	1.10	1.22	0.744	0.847	0.710	---	---	11
12	---	---	---	0	0.578	1.09	1.25	0.778	0.847	0.707	---	---	12
13	---	---	---	0	0.587	1.04	1.27	0.795	0.847	0.704	---	---	13
14	---	---	---	0	0.589	1.11	1.27	0.802	0.848	0.700	---	---	14
15	---	---	---	0	0.592	1.11	1.27	0.798	0.848	0.695	---	---	15
16	---	---	---	0	0.585	1.10	1.27	0.784	0.850	0.849	---	---	16
17	---	---	---	0	0.602	1.09	1.27	0.772	0.877	0.071	---	---	17
18	---	---	---	0	0.609	1.09	1.26	0.760	0.881	0.034	---	---	18
19	---	---	---	0	0.618	1.09	1.27	0.787	0.885	0.084	---	---	19
20	---	---	---	0	0.864	1.09	1.09	0.803	0.888	0.072	---	---	20
21	---	---	---	0	0.729	1.08	1.27	0.777	0.706	0.078	---	---	21
22	---	---	---	0	0.742	1.08	1.33	0.718	0.708	0.078	---	---	22
23	---	---	---	0	0.736	1.07	1.13	0.701	0.703	0.077	---	---	23
24	---	---	---	0	0.884	1.08	1.18	0.635	0.702	0.040	---	---	24
25	---	---	---	0	0.978	1.14	1.21	0.892	0.728	0	---	---	25
26	---	---	---	0	0.854	1.15	1.18	0.828	0.726	0	---	---	26
27	---	---	---	0	0.848	1.18	1.31	0.848	0.720	0	---	---	27
28	---	---	---	0	0.874	1.17	1.88	0.848	0.720	0	---	---	28
29	---		---	0	0.879	1.17	1.48	0.848	0.719	0	---	---	29
30	---		---	0	0.863	1.20	1.18	0.844	0.719	0	---	---	30
31	---		---		0.895		0.989	0.843		0		---	31
TOTAL	---	---	---	0	18.890	32.76	38.808	23.308	20.234	11.775	---	---	TOTAL
MEAN	---	---	---	0	0.600	1.09	1.28	0.752	0.674	0.380	---	---	MEAN
MAX	---	---	---	0	0.895	1.20	1.88	0.845	0.728	0.724	---	---	MAX
MIN	---	---	---	0	0	1.00	0.989	0.592	0.841	0	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.880
MAXIMUM DAILY, 1.88 ON JUL 26
MINIMUM DAILY, 0 ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 31 35 N
LONG 113 55 32 W

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 380
FEB	---	AUG	2 010
MAR	---	SEP	1 750
APR	0	OCT	1 030
MAY	1 810	NOV	---
JUN	2 830	DEC	---

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REGULATED

TOTAL DISCHARGE, 12 800 dam³

ST. MARY CANAL AT ST. MARY CROSSING - STATION NO. 05AE029

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	12.0	18.1	20.1	20.4	19.0	17.8	17.8	0	---	1
2	---	---	0 B	14.2	18.8	20.1	20.4	18.8	17.8	17.8	0A	---	2
3	---	---	0 B	15.8	19.4	20.4	20.4	18.5	17.4	17.8	---	---	3
4	---	---	0 B	16.7	13.0	20.4	20.3	18.4	17.4	17.8	---	---	4
5	---	---	0 B	17.8	13.7	20.7	20.2	18.4	17.4	17.8	---	---	5
6	---	---	0.8088	18.7	18.8	20.7	20.2	18.3	17.4	17.7	---	---	6
7	---	---	3.28 B	18.1	18.1	20.5	20.2	17.8	17.4	17.8	---	---	7
8	---	---	3.82	18.3	19.2	20.6	20.2	18.0	17.4	17.7	---	---	8
9	---	---	3.83	18.3	18.8	20.7	20.2	18.4	17.4	17.8	---	---	9
10	---	---	3.73	18.2	18.9	20.6	20.3	18.5	17.3	17.7	---	---	10
11	---	---	4.18	18.4	20.2	17.8	20.1	18.5	17.4	17.7	---	---	11
12	---	---	6.05	18.8	20.3	19.8	19.8	18.3	17.7	17.8	---	---	12
13	---	---	8.10 A	18.7	20.4	20.2	19.3	18.3	17.7	17.8	---	---	13
14	---	---	7.08 E	18.8	20.7	20.1	17.9	18.3	17.7	17.3	---	---	14
15	---	---	7.78 E	20.0	20.8	20.2	18.1	18.1	17.8	17.2	---	---	15
16	---	---	8.60 E	18.5	20.5	20.5	18.4	17.8	17.8	17.1	---	---	16
17	---	---	8.20 E	18.0	20.8	20.5	18.4	17.8	17.7	16.4	---	---	17
18	---	---	8.01 E	8.31	20.8	20.4	18.2	17.8	17.7	16.3	---	---	18
19	---	---	7.08 E	4.00	20.8	20.5	18.1	17.8	17.8	16.4	---	---	19
20	---	---	4.88 A	4.74	19.8	20.7	18.3	17.8	17.8	16.8	---	---	20
21	---	---	5.71	6.34	20.3	20.6	18.8	17.8	17.8	16.4	---	---	21
22	---	---	6.80	11.7	20.4	20.4	18.6	17.8	17.8	16.0	---	---	22
23	---	---	8.13	13.0	20.4	20.3	18.6	17.8	17.8	16.8	---	---	23
24	---	---	8.27	11.8	20.4	20.4	18.6	18.0	17.8	16.8	---	---	24
25	---	---	10.7	13.1	20.3	20.7	18.2	17.8	17.7	8.81	---	---	25
26	---	---	11.7	13.1	20.2	20.6	18.1	17.0	18.0	2.37	---	---	26
27	---	---	13.3	13.8	20.3	20.8	18.0	17.1A	17.8	0	---	---	27
28	---	---	11.2	14.4	20.3	20.8	18.6	17.1A	17.8	0	---	---	28
29	---		8.58	16.6	20.3	20.8	18.6	17.4A	17.8	0	---	---	29
30	---		7.20	16.7	20.2	20.4	18.6	17.8A	17.8	0	---	---	30
31	---		8.00		20.1		18.8	17.7		0		---	31
TOTAL	---	---	187.748	457.88	597.6	610.4	606.2	558.0	528.5	414.88	---	---	TOTAL
MEAN	---	---	6.06	15.3	19.3	20.3	19.6	18.0	17.6	13.4	---	---	MEAN
MAX	---	---	13.3	20.8	20.7	20.7	20.4	18.0	18.0	17.8	---	---	MAX
MIN	---	---	0	4.74	13.0	17.8	17.8	17.0	17.3	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.3
MAXIMUM DAILY, 20.7 ON MAY 14
MINIMUM DAILY, 0B ON MAR 1

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 59 50 N
LONG 113 22 28 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	53 400
FEB	---	AUG	46 300
MAR	18 200	SEP	45 700
APR	39 600	OCT	35 600
MAY	61 600	NOV	---
JUN	52 700	DEC	---

TOTAL DISCHARGE, 342 000 dam³

ST. MARY RESERVOIR NEAR SPRING COULEE - STATION NO. 05AE035

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1088.086	1088.826	1089.289	1090.912	1088.726	1088.032	1103.008	1102.427	1100.318	1100.815	1100.388	1100.385	1
2	1088.104	1088.833	1089.300	1090.951	1088.687	1088.410	1103.026	1102.329	1100.388	1100.811	1100.386	1100.387	2
3	1088.121	1088.836	1089.314	1090.982	1088.339	1088.808	1103.060	1102.261	1100.465	1100.480	1100.389	1100.378	3
4	1088.143	1088.843	1089.332	1091.012	1088.287	1088.281	1103.070	1102.189	1100.536	1100.431	1100.378	1100.373	4
5	1088.178	1088.853	1089.354	1091.039	1088.287	1088.726	1103.039	1102.088	1100.580	1100.411	1100.378	1100.370	5
6	1088.219	1088.878	1089.381	1091.059	1088.301	1087.181	1103.032	1102.004	1100.572	1100.383	1100.386	1100.365	6
7	1088.267	1088.894	1089.408	1091.071	1088.313	1087.630	1103.026	1101.916	1100.743	1100.376	1100.386	1100.360	7
8	1088.293	1088.914	1089.430	1091.072	1088.480	1087.917	1102.984	1101.826	1100.788	1100.363	1100.388	1100.360	8
9	1088.278	1088.934	1089.444	1091.066	1088.805	1088.244	1102.912	1101.726	1100.784	1100.392	1100.388	1100.361	9
10	1088.302	1088.952	1089.463	1091.049	1089.187	1088.538	1102.888	1101.632	1100.763	1100.378	1100.388	1100.343	10
11	1088.334	1088.972	1089.523	1090.942	1088.552	1088.087	1102.831	1101.541	1100.738	1100.307	1100.378	1100.312	11
12	1088.363	1088.988	1089.618	1090.788	1088.901	1088.772	1102.803	1101.444	1100.720	1100.318	1100.411	1100.284	12
13	1088.388	1089.008	1089.674	1090.494	1090.318	1100.387	1102.770	1101.350	1100.758	1100.317	1100.517	1100.308	13
14	1088.410	1089.026	1089.732	1090.172	1090.883	1100.703	1102.758	1101.233	1100.783	1100.321	1100.883	1100.334	14
15	1088.438	1089.047	1089.782	1089.870	1090.931	1101.084	1102.857	1101.126	1100.822	1100.329	1100.780	1100.367	15
16	1088.484	1089.070	1089.818	1089.808	1091.188	1101.343	1102.809	1101.001	1100.850	1100.337	1100.841	1100.377	16
17	1088.480	1089.080	1089.848	1089.430	1091.445	1101.623	1102.842	1100.888	1100.888	1100.348	1100.884	1100.380	17
18	1088.520	1089.108	1089.873	1089.237	1091.701	1101.898	1102.876	1100.738	1100.818	1100.364	1100.858	1100.383	18
19	1088.544	1089.122	1089.900	1088.987	1091.988	1102.135	1103.008	1100.809	1100.888	1100.377	1100.848	1100.382	19
20	1088.588	1089.138	1089.943	1088.982	1092.248	1102.305	1103.014	1100.672	1100.885	1100.383	1100.802	1100.380	20
21	1088.582	1089.188	1089.973	1088.888	1092.540	1102.484	1102.988	1100.332	1101.011	1100.388	1100.788	1100.383	21
22	1088.618	1089.174	1089.988	1088.820	1092.784	1102.588	1102.982	1100.171	1101.022	1100.388	1100.703	1100.378	22
23	1088.640	1089.190	1090.041	1088.784	1092.978	1102.823	1102.922	1100.018	1101.018	1100.378	1100.647	1100.388	23
24	1088.667	1089.202	1090.097	1088.806	1093.110	1102.885	1102.867	1099.885	1101.001	1100.380	1100.888	1100.403	24
25	1088.678	1089.217	1090.158	1088.897	1093.245	1102.710	1102.834	1099.840	1100.981	1100.388	1100.824	1100.418	25
26	1088.698	1089.238	1090.238	1089.021	1093.384	1102.783	1102.802	1099.826	1100.877	1100.388	1100.484	1100.432	26
27	1088.713	1089.253	1090.343	1089.112	1093.486	1102.833	1102.788	1099.880	1100.884	1100.411	1100.387	1100.448	27
28	1088.730	1089.272	1090.505	1089.153	1093.627	1102.870	1102.706	1099.813	1100.838	1100.411	1100.384	1100.483	28
29	1088.753		1090.687	1089.105	1093.898	1102.941	1102.636	1100.024	1100.854	1100.412	1100.374	1100.470	29
30	1088.777		1090.780	1088.935	1094.277	1102.988	1102.572	1100.130	1100.742	1100.411	1100.363	1100.484	30
31	1088.808		1090.858		1094.881		1102.487	1100.235		1100.403		1100.486	31
MEAN	1088.486	1089.037	1089.642	1089.842	1091.088	1100.209	1102.867	1100.999	1100.798	1100.383	1100.532	1100.383	MEAN
MAX	1088.808	1089.272	1090.858	1091.072	1094.881	1102.988	1103.070	1102.427	1101.022	1100.815	1100.885	1100.470	MAX
MIN	1088.086	1088.826	1089.289	1088.784	1088.287	1088.032	1102.487	1099.826	1100.318	1100.278	1100.363	1100.384	MIN

SUMMARY FOR THE YEAR 1989

WATER LEVELS IN METRES

MEAN, 1088.282
MAXIMUM DAILY, 1103.070 ON JUL 4
MINIMUM DAILY, 1088.086 ON JAN 1
MAXIMUM INSTANTANEOUS,
1103.080 AT 18:35 MST ON JUL 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 31 45 N
LONG 113 08 58 W

REGULATED

DRAINAGE AREA,
2 390 km²

WATER LEVELS ARE REFERRED TO PRAIRIE FARM REHABILITATION ADMINISTRATION DATUM
APPLY 0.024 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

ST. MARY RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 05AE027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.408	2.958	1.848	2.418	10.8	36.9	29.2	18.8	20.3	10.8	12.3	17.3	1
2	3.408	2.958	1.983	2.278	16.8	30.6	29.2	19.1	21.7	10.7	11.8	16.3	2
3	3.888	2.496	1.848	2.278	19.8	36.2	27.6	18.2	22.3	10.8	11.4	15.0	3
4	3.968	2.418	2.958	3.418	24.7	45.9	26.7	17.4	21.8	10.2	10.9	15.8	4
5	4.118	2.958	2.838	2.958	25.8	60.4	24.0	18.1	21.1	9.77	10.8	15.9	5
6	4.258	2.958	2.958	2.838	27.1	84.1	23.7	15.3	20.8	9.51	10.1	14.8	6
7	4.258	2.838	2.418	2.878	36.1	80.8	23.8	14.4	19.5	9.43	10.1	14.8	7
8	4.118	3.888	2.888	2.878	49.0	84.3	23.0	13.1	19.4	9.63	10.2	14.7	8
9	3.888	3.888	2.838	3.118	58.5	86.3	22.0	13.3	19.3	9.10	10.1	15.0	9
10	3.838	2.888	3.888	3.26	60.9	75.0	22.0	14.7	18.8	7.87	11.7	13.8	10
11	3.888	2.888	4.268	3.43	52.3	138	24.4	15.8	17.8	7.90	15.8	13.8 E	11
12	3.848	2.838	3.408	4.13	60.0	128	25.8	15.9	18.8	7.14	34.8	13.8 E	12
13	3.408	2.888	3.118	4.73	64.1	108	33.4	16.3	19.4	8.87	80.3	13.8 E	13
14	3.268	2.888	2.888	5.81	47.3	84.3	46.0	13.8	14.3	8.18	87.1	13.3 E	14
15	3.268	2.888	2.888	6.89	40.2	84.3	45.0	14.0	14.1	8.47	84.8	12.9	15
16	3.118	2.888	3.278	11.7	34.8	85.0	44.6	13.2	13.9	8.00	86.6	12.8	16
17	3.978	2.888	3.118	18.8	33.8	78.8	41.8	12.2	14.0	10.2	80.4	11.8	17
18	3.118	2.888	3.548	20.6	34.0	72.2	36.8	11.8	16.0	10.8	44.7	11.8	18
19	3.118	2.888	3.408	22.1	37.1	63.1	31.1	11.8	15.5	10.7	38.8	11.0	19
20	2.978	2.888	3.118	23.3	37.1	58.1	27.7	11.1	16.3	10.8	36.4	10.8 E	20
21	2.978	2.888	2.418	23.8	33.1	48.0	27.7	10.7	15.0	10.4	33.3	10.8 E	21
22	2.978	2.888	2.838	25.8	30.3	42.8	28.1	10.4	14.7	10.1	30.0	10.3 E	22
23	2.838	1.888	2.888	33.8	28.2	38.8	27.6	10.6	14.7	10.8	28.8	10.3 E	23
24	2.888	2.888	2.888	28.8	26.3	34.3	27.0	12.8	14.2	13.7	27.1	10.1 E	24
25	2.898	2.898	2.838	35.4	27.6	34.8	26.9	23.8	13.8	16.7	26.8	8.818	25
26	2.888	2.888	2.848	33.4	26.3	32.8	24.3	34.3	13.8	17.3	23.8	8.88	26
27	2.888	3.418	3.408	28.4	24.8	31.4	21.3	33.4	12.8	18.8	22.8	8.38	27
28	2.888	1.888	3.118	30.8	28.8	30.8	17.8	31.4	13.8	14.8	21.3	8.88	28
29	2.888		2.888	12.8	28.8	28.4	18.8	28.8	11.8	13.7	20.2	8.88	29
30	2.888		2.888	8.71	24.8	28.8	18.7	23.8	10.8	13.1	18.1	7.88	30
31	2.888		2.888		26.4		17.8	20.2		12.8		7.088	31
TOTAL	100.84	71.82	88.08	408.78	1 085.7	1 778.1	883.0	536.2	491.1	334.15	838.1	379.82	TOTAL
MEAN	3.26	2.56	2.84	13.8	34.4	59.3	27.8	17.3	16.4	10.8	27.8	12.3	MEAN
MAX	4.26	3.88	4.26	36.8	63.3	138	46.0	34.3	22.3	17.3	87.1	17.3	MAX
MIN	2.88	1.88	1.84	2.27	10.8	28.8	16.8	10.8	10.8	8.87	10.1	7.08	MIN

SUMMARY FOR THE YEAR 1989

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 19.0
MAXIMUM DAILY, 138 ON JUN 11
MINIMUM DAILY, 1.848 ON MAR 3
MAXIMUM INSTANTANEOUS,
155 AT 15:45 MST ON JUN 11

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 12 N
LONG 113 15 48 W

DRAINAGE AREA, 1 210 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	6 720	JUL	73 700
FEB	6 190	AUG	48 200
MAR	7 610	SEP	43 400
APR	35 100	OCT	28 800
MAY	93 100	NOV	72 200
JUN	154 000	DEC	33 800

TOTAL DISCHARGE, 800 000 dam³

ST. MARY RIVER NEAR LETHBRIDGE - STATION NO. 05AE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.780B	0.380B	0.780B	4.39B	1.58	2.06	2.30	4.50	3.85	25.3	19.1	18.5	1
2	0.770B	0.370B	0.700B	4.71B	1.50	2.32	2.39	4.15	4.50	24.7	19.0	18.6	2
3	0.780B	0.360B	0.850B	3.18B	1.64	2.11	2.41	3.87	6.05	13.2	19.2	18.6	3
4	0.780B	0.350B	0.800B	3.13B	1.62	1.93	2.45	2.88	5.77	8.71	19.4	18.3	4
5	0.730B	0.350B	0.880B	3.18B	1.43	1.80	2.48	3.12	5.88	8.87	19.6	18.2	5
6	0.680B	0.350B	0.800B	3.01B	1.39	1.72	2.45	3.04	7.35	8.74	19.1	18.0	6
7	0.570B	0.380B	0.640B	3.04B	1.23	2.55	2.69	2.84	11.8	8.85	16.2	18.5	7
8	0.620B	0.420B	0.800B	3.00B	1.24	2.42	3.00	2.79	38.4	8.88	13.8	18.2	8
9	0.510B	0.480B	1.18 B	2.47B	1.26	1.86	3.05	2.80	37.2	8.88	10.8	18.0	9
10	0.500B	0.680B	2.08 B	2.30B	1.27	3.38	3.27	3.08	36.8	8.84	10.1	18.0 B	10
11	0.500B	0.680B	2.11 B	1.88	1.23	6.47	3.88	2.88	35.9	8.89	11.8	18.3 B	11
12	0.510B	0.780B	3.48 B	1.78	1.04	4.88	3.37	2.85	35.4	8.47	12.8	18.2 B	12
13	0.650B	0.780B	4.04 B	1.88	1.08	2.98	3.81	2.81	21.1	7.06	12.6	14.1 B	13
14	0.680B	0.800B	2.48 B	1.85	1.18	2.80	4.84	2.83	14.7	6.38	12.8	9.67B	14
15	0.770B	0.780B	2.00 B	1.88	1.81	2.24	4.87	2.84	18.8	8.33	18.5	8.34B	15
16	1.08 B	0.750B	1.80 B	1.78	1.55	2.30	4.08	2.20	18.4	8.14	80.7	8.40B	16
17	1.26 B	0.890B	1.60 B	1.85	1.51	2.31	3.48	1.73	18.4	8.07	80.8A	7.40B	17
18	1.30 B	0.620B	1.30 B	1.74	1.63	2.18	3.00	1.61	18.7	8.88	81.0E	7.20B	18
19	B 1.30 B	0.400B	1.38 B	1.57	2.14	2.25	2.75	1.65	18.1	8.72	81.0E	7.10B	19
20	1.28 B	0.640B	1.41 B	1.48	1.82	2.01	2.88	1.81	15.8	10.1	81.1A	7.00B	20
21	1.20 B	0.700B	1.38 B	1.48	1.35	2.04	3.14	2.00	15.7	13.1	80.8	7.00B	21
22	1.15 B	0.800B	2.26 B	1.47	1.33	2.12	2.82	1.84	22.0	14.1	80.5	6.80B	22
23	1.10 B	0.880B	3.41 B	1.45	1.44	2.84	2.72	1.38	31.8	14.1	80.5	6.80B	23
24	1.05 B	0.880B	4.17 B	1.49	1.93	2.82	2.87	1.88	31.3	14.0	48.7	6.80B	24
25	1.00 B	0.900B	6.42 B	1.84	2.28	3.83	3.18	2.02	31.8	13.8	48.7	7.00B	25
26	1.05 B	0.900B	7.30 B	1.78	2.24	3.84	3.48	2.40	32.1	13.6	48.1	7.40B	26
27	1.10 B	0.880B	6.82 B	2.14	2.12	2.83	3.08	12.2	32.5	13.8	48.8	7.80B	27
28	1.20 B	0.840B	13.3 B	2.26	3.38	2.47	2.80	9.83	32.0	16.0	28.8	8.08B	28
29	1.30 B		13.2 B	2.04	4.70	2.37	3.81	3.70	32.0	16.4	26.0	8.20B	29
30	1.42 B		8.58 B	1.72	3.48	2.38	4.28	2.86	26.1	16.7	26.1	10.2 B	30
31	0.800B		6.67 B		2.61		4.62	2.82		17.1		11.2 B	31
TOTAL	27.620	17.880	105.310	66.83	56.17	78.63	99.21	98.20	647.22	383.20	819.8	378.30	TOTAL
MEAN	0.887	0.638	3.40	2.23	1.78	2.85	3.20	3.17	21.6	11.4	30.7	12.2	MEAN
MAX	1.42	0.900	13.3	4.71	4.70	6.47	4.87	12.2	37.2	25.3	81.1	18.6	MAX
MIN	0.500	0.350	0.880	1.45	1.04	1.72	2.30	1.38	3.85	5.88	10.1	6.80	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.80
MAXIMUM DAILY, 81.1A ON NOV 20
MINIMUM DAILY, 0.350B ON FEB 4
MAXIMUM INSTANTANEOUS,
87.2 AT 05:45 MST ON NOV 16

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 34 24 N
LONG 112 50 38 W
DRAINAGE AREA, 3 630 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1911

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 400	JUL	8 570
FEB	1 550	AUG	8 480
MAR	9 100	SEP	55 800
APR	5 780	OCT	30 600
MAY	4 770	NOV	70 500
JUN	8 880	DEC	32 700

TOTAL DISCHARGE, 248 000 dam³

STEELE LAKE NEAR JARVIS - STATION NO. 07BC005

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	658.651	658.788	---	658.788	658.780	---	---	---	1
2	---	---	---	---	---	658.781	---	---	658.780	658.718	---	---	2
3	---	---	---	---	658.881	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	658.801	658.785	---	658.718	---	---	4
5	---	---	---	---	658.851	658.781	658.801	658.785	658.748	---	---	---	5
6	---	---	---	---	---	---	---	658.780	---	658.718	---	---	6
7	---	---	---	---	---	658.788	658.801	---	658.748	---	---	---	7
8	---	---	---	---	658.851	658.801	---	---	---	658.718	---	---	8
9	---	---	---	---	658.851	658.801	658.821	658.778	658.748	---	---	---	9
10	---	---	---	658.858	658.871	---	658.828	---	---	658.718	---	---	10
11	---	---	---	---	---	---	658.831	658.770	658.740	---	---	---	11
12	---	---	---	---	---	658.811	658.831	658.788	658.735	---	---	---	12
13	---	---	---	---	658.846	---	---	---	---	658.718	---	---	13
14	---	---	---	---	---	658.811	658.831	658.788	658.730	---	---	---	14
15	---	---	---	---	658.841	---	---	---	---	---	---	---	15
16	---	---	---	---	---	658.808	---	658.788	---	658.718	---	---	16
17	---	---	---	---	---	---	658.821	---	658.730	---	---	---	17
18	---	---	---	---	658.851	---	---	658.780	---	658.718	---	---	18
19	---	---	---	658.881	658.871	658.801	---	---	658.728	---	---	---	19
20	---	---	---	---	---	---	658.815	---	---	658.718	---	---	20
21	---	---	658.880	---	---	658.801	658.815	658.748	---	---	---	---	21
22	---	658.705	---	---	658.711	---	---	---	658.725	---	---	---	22
23	---	---	---	---	658.718	658.801	---	658.780	---	658.718	---	---	23
24	---	---	---	---	---	658.801	658.810	---	---	658.718	---	---	24
25	---	---	---	---	---	---	---	658.780	658.718	---	---	---	25
26	---	---	---	---	658.781	658.801	658.810	---	658.720	---	---	---	26
27	---	---	---	---	---	---	---	---	---	658.720	---	---	27
28	---	---	---	---	---	658.801	658.805	658.740	---	---	---	---	28
29	---		---	---	658.771	658.788	---	---	658.720	---	---	---	29
30	---		---	---	658.781	---	---	658.750	---	658.728	---	---	30
31	---		---	---	---		658.785	---		658.728		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 38 28 N
LONG 113 48 06 W

NATURAL FLOW

DRAINAGE AREA,
255 km²

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

STEEN RIVER NEAR STEEN RIVER - STATION NO. 07CB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.075B	0.082B	57.8B	25.3	9.44	7.07	1.87	0.781	---	---	1
2	---	---	0.075B	0.082B	74.7B	24.9	9.56	7.47	1.85	0.788	---	---	2
3	---	---	0.078B	0.082B	78.3	24.2	9.24	8.44	1.74	0.775	---	---	3
4	---	---	0.078B	0.082B	88.8	22.8	9.12	9.26	1.62	0.784	---	---	4
5	---	---	0.077B	0.083B	90.2	21.3	9.26	9.56	1.53	0.785	---	---	5
6	---	---	0.078B	0.083B	91.5	20.9	9.80	9.26	1.43	0.788	---	---	6
7	---	---	0.080B	0.082B	87.9	21.6	9.81	8.42	1.38	0.796	---	---	7
8	---	---	0.081B	0.082B	81.2	23.1	9.03	7.82	1.33	0.812	---	---	8
9	---	---	0.080B	0.082B	72.8	22.9	8.86	7.22	1.24	0.821	---	---	9
10	---	---	0.081B	0.086B	83.8	21.5	7.80	6.47	1.19	0.825	---	---	10
11	---	---	0.081B	0.101B	87.5	19.6	8.87	5.77	1.12	0.827	---	---	11
12	---	---	0.081B	0.117B	80.9	17.8	8.88	5.03	1.07	0.828	---	---	12
13	---	---	0.081B	0.151B	45.2	16.4	4.87	4.38	1.02	0.834	---	---	13
14	---	---	0.083B	0.184B	38.9	13.4	4.18	3.87	0.971	0.863	---	---	14
15	---	---	0.082B	0.212B	35.1	11.9	3.81	3.42	0.937	0.905	---	---	15
16	---	---	0.082B	0.206B	30.9	10.7	3.62	3.18	0.916	0.909	---	---	16
17	---	---	0.082B	0.206B	28.0E	10.3	3.41	3.13	0.889	0.922	---	---	17
18	---	---	0.082B	0.210B	22.0E	10.3	3.12	3.18	0.845	1.03	---	---	18
19	---	---	0.081B	0.221B	20.5E	10.8	3.00	3.02	0.822	1.08	---	---	19
20	---	---	0.081B	0.240B	20.0E	11.1	2.84	2.81	0.809	1.05	---	---	20
21	---	---	0.082B	0.252B	23.0E	11.1	2.40	2.78	0.839	1.05	---	---	21
22	---	---	0.083B	0.252B	26.2E	11.8	2.44	2.77	0.836	1.09	---	---	22
23	---	---	0.087B	0.252B	25.5E	12.3	2.83	2.88	0.822	1.12	---	---	23
24	---	---	0.091B	0.256B	24.5E	12.3	4.26	2.81	0.808	1.16	---	---	24
25	---	---	0.089B	0.262B	26.5E	12.0	4.26	2.44	0.787	1.17	---	---	25
26	---	---	0.088B	0.268B	28.0E	11.6	3.97	2.26	0.785	1.17	---	---	26
27	---	---	0.086B	0.276B	27.0E	11.0	3.97	2.18	0.783	1.18 B	---	---	27
28	---	0.074B	0.085B	0.404B	25.5E	10.1	3.88	2.20	0.783	1.14 B	---	---	28
29	---		0.084B	1.40 B	24.0E	9.82	4.12	2.24	0.778	1.10	---	---	29
30	---		0.083B	20.7 B	23.4A	9.42	5.16	2.20	0.788	1.20	---	---	30
31	---		0.082B		24.9		5.85	2.07		1.17 A		---	31
TOTAL	---	---	2.534	27.389	1 410.9	470.74	176.38	146.16	32.687	29.873	---	---	TOTAL
MEAN	---	---	0.082	0.913	45.5	15.7	5.69	4.68	1.09	0.887	---	---	MEAN
MAX	---	---	0.091	20.7	91.5	25.3	9.81	9.56	1.87	1.20	---	---	MAX
MIN	---	---	0.075	0.082	20.0	9.42	2.40	2.07	0.788	0.781	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.37
MAXIMUM DAILY, 91.5 ON MAY 6
MINIMUM DAILY, 0.075B ON MAR 1
MAXIMUM INSTANTANEOUS,
82.1 AT 17:00 MST ON MAY 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 34 21 N
LONG 117 11 49 W
DRAINAGE AREA, 2 610 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	15 200
FEB	---	AUG	12 500
MAR	219	SEP	3 420
APR	2 370	OCT	3 680
MAY	122 000	NOV	---
JUN	40 700	DEC	---

TOTAL DISCHARGE, 198 000 dam³

STEEPBANK RIVER NEAR FORT MCMURRAY - STATION NO. 07DA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.408B	0.438B	22.3	31.0 E	8.81	11.0	4.40E	7.80E	---	---	1
2	---	---	0.402B	0.458B	21.7	29.0 E	32.8	11.3	4.20E	8.30E	---	---	2
3	---	---	0.400B	0.488B	22.8	26.0 E	32.3	11.8	4.00E	8.30E	---	---	3
4	---	---	0.400B	0.468B	23.4	23.5 E	39.3	10.6	3.85E	8.38E	---	---	4
5	---	---	0.398B	0.500B	34.8	21.5 E	39.9	9.95	3.85E	8.20E	---	---	5
6	---	---	0.386B	0.520B	37.8	21.0 E	38.9	9.04	3.40E	7.90E	---	---	6
7	---	---	0.378B	0.540B	37.9	21.5 E	36.4	8.06	3.38E	7.60E	---	---	7
8	---	---	0.368B	0.608B	38.3	22.5 E	31.2	7.31	3.50E	7.48E	---	---	8
9	---	---	0.358B	0.588B	39.4	22.5 E	26.8	6.62	3.65E	7.38E	---	---	9
10	---	---	0.350B	0.620B	38.8	22.0 E	27.0	6.06	3.50E	7.20E	---	---	10
11	---	---	0.340B	0.648B	38.8	20.8 E	23.9	5.49	3.40E	7.10E	---	---	11
12	---	---	0.330B	0.660B	40.7	19.0 E	21.0	5.00	3.20E	7.05E	---	---	12
13	---	---	0.325B	0.688B	44.8A	17.0 E	18.3	4.81	3.30E	7.00E	---	---	13
14	---	---	0.318B	0.688B	50.0E	15.0 E	16.2	4.31	3.85E	6.85E	---	---	14
15	---	---	0.313B	0.701B	64.0E	13.5 E	14.0	4.11	3.80E	6.90E	---	---	15
16	---	---	0.312B	0.720B	80.0E	12.8 E	12.4	3.72	4.05E	6.85E	---	---	16
17	---	---	0.310B	0.730B	84.0E	12.2 E	11.2	4.26	4.10E	6.80E	---	---	17
18	---	---	0.315B	0.740B	87.0E	11.8 E	9.85	4.43	4.15E	6.75E	---	---	18
19	---	---	0.320B	0.750B	88.0E	12.0 E	8.78	3.81	4.40E	6.75E	---	---	19
20	---	---	0.330B	0.760B	70.0E	13.0 E	7.95	3.86	5.00E	6.70E	---	---	20
21	---	---	0.350B	0.770B	58.0E	13.7 E	8.01	3.86	5.05E	6.85E	---	---	21
22	---	---	0.370B	0.780B	55.0E	13.8 E	8.84	4.00	5.15E	6.80E	---	---	22
23	---	---	0.380B	0.880B	53.0E	13.7 A	9.11	4.70	5.10E	6.80E	---	---	23
24	---	---	0.420B	1.50 B	58.0E	12.9	9.20	4.86	5.05E	6.85E	---	---	24
25	---	---	0.445B	1.28 B	55.0E	12.3	12.6	4.82	5.00E	6.82A	---	---	25
26	---	---	0.445B	3.14 B	51.0E	11.5	13.6	4.62	4.85E	6.45E	---	---	26
27	---	---	0.420B	4.44 B	48.0E	10.5	13.7	4.35A	4.80E	6.40E	---	---	27
28	---	---	0.415B	7.83 B	44.0E	10.0	13.3	4.35A	5.80E	6.30E	---	---	28
29	---		0.410B	11.3 B	40.0E	9.48	12.9	4.70E	5.80E	6.20E	---	---	29
30	---		0.410B	14.8	37.0E	9.34	11.5	4.80E	7.10E	6.00B	---	---	30
31	---		0.420B		34.0E		10.9	4.80E		5.80B		---	31
TOTAL	---	---	11.537	58.986	1 443.9	504.83	572.41	184.74	130.85	217.30	---	---	TOTAL
MEAN	---	---	0.372	1.97	46.6	16.8	18.5	5.96	4.36	7.01	---	---	MEAN
MAX	---	---	0.445	14.8	70.0	31.0	39.9	11.8	7.10	8.35	---	---	MAX
MIN	---	---	0.310	0.438	21.7	9.34	7.95	3.86	3.20	5.80	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 13.8
MAXIMUM DAILY, 70.0E ON MAY 20
MINIMUM DAILY, 0.310B ON MAR 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 00 14 N
LONG 111 24 53 W
DRAINAGE AREA, 1 320 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	48 500
FEB	---	AUG	18 000
MAR	987	SEP	11 300
APR	E 100	OCT	18 500
MAY	135 000	NOV	---
JUN	43 000	DEC	---

TOTAL DISCHARGE, 270 000 dam³

REMARKS - MISSING RECORD DURING THE PERIOD WHEN THE PEAK IS SUSPECTED TO HAVE OCCURED. FLOWS DETERMINED BY HYDROGRAPH COMPARISON

STIMSON CREEK NEAR PEKISKO - STATION NO. 05BL007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0028	0.415	0.529	0.023	0.010	0.012	0.082	---	---	1
2	---	---	0 B	0.0028	0.484	0.459	0.014	0.007	0.008	0.081	---	---	2
3	---	---	0 B	0.0018	0.811	0.372	0.007	0.003	0.011	0.070	---	---	3
4	---	---	0 B	0.0018	0.884	0.287	0.001	0.014	0.008	0.048	---	---	4
5	---	---	0 B	0.1338	0.551	0.238	0	0.037	0.048	0.028	---	---	5
6	---	---	0 B	0.2408	0.470	0.181	0	0.047	0.070	0.034	---	---	6
7	---	---	0 B	0.1848	0.457	0.141	0	0.093	0.088	0.057	---	---	7
8	---	---	0 B	0.2348	0.494	0.112	0	0.107	0.088	0.058	---	---	8
9	---	---	0 B	0.2108	0.483	0.163	0	0.125	0.088	0.082	---	---	9
10	---	---	0 B	0.1808	0.444	0.154	0.087	0.100	0.088	0.085	---	---	10
11	---	---	0 B	0.2218	0.377	0.401	0.184	0.073	0.103	0.072	---	---	11
12	---	---	0 B	0.2138	0.350	0.520	0.142	0.057	0.088	0.048	---	---	12
13	---	---	0 B	0.2118	0.301	0.361	0.095	0.050	0.088	0.074	---	---	13
14	---	---	0 B	0.4778	0.241	0.170	0.145	0.053	0.087	0.075	---	---	14
15	---	---	0 B	0.8208	0.195	0.138	0.072	0.051	0.075	0.078	---	---	15
16	---	---	0 B	0.7408	0.178	0.183	0.119	0.071	0.087	0.076	---	---	16
17	---	---	0 B	0.5238	0.169	0.336	0.134	0.051	0.089	0.078	---	---	17
18	---	---	0 B	0.380	0.148	0.389	0.127	0.017	0.078	0.074	---	---	18
19	---	---	0 B	0.313	0.129	0.237	0.084	0.008	0.082	0.072	---	---	19
20	---	---	0 B	0.362	0.098	0.122	0.111	0.101	0.078	0.078	---	---	20
21	---	---	0 B	0.455	0.083	0.128	0.123	0.075	0.072	0.074	---	---	21
22	---	---	0 B	0.498	0.078	0.078	0.050	0.028	0.087	0.072	---	---	22
23	---	---	0 B	0.516	0.082	0.080	0.006	0.014	0.088	0.075	---	---	23
24	---	---	0 B	0.412	0.087	0.088	0.088	0.008	0.084	0.080	---	---	24
25	---	---	0 B	0.338	0.127	0.020	0.024	0.035	0.081	0.077	---	---	25
26	---	---	0 B	0.311	0.158	0.018	0.037	0.037	0.087	0.072	---	---	26
27	---	08	0 B	0.324	0.174	0.087	0.081	0.027	0.088	0.074	---	---	27
28	---	08	0 B	0.308	0.257	0.090	0.108	0.028	0.091	0.0848	---	---	28
29	---		0 B	0.260	0.472	0.083	0.081	0.080	0.098	0.1348	---	---	29
30	---		0.0028	0.383	0.441	0.038	0.004	0.047	0.115	0.1078	---	---	30
31	---		0.0028		0.503		0.008	0.028		0.1388			31
TOTAL	---	---	0.004	8.118	8.708	8.178	1.808	1.500	2.207	2.298	---	---	TOTAL
MEAN	---	---	0	0.304	0.313	0.208	0.081	0.048	0.074	0.074	---	---	MEAN
MAX	---	---	0.002	0.740	0.884	0.529	0.184	0.125	0.115	0.138	---	---	MAX
MIN	---	---	0	0.001	0.078	0.018	0	0.003	0.008	0.028	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.134
MAXIMUM DAILY, 0.7408 ON APR 15
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.8388 AT 02:30 MST ON APR 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 25 50 N
LONG 114 08 55 W
DRAINAGE AREA, 263 km²

B - ICE CONDITIONS

REGULATED SINCE 1966

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	185
FEB	---	AUG	130
MAR	0.35	SEP	191
APR	788	OCT	198
MAY	838	NOV	---
JUN	534	DEC	---

TOTAL DISCHARGE, 2 880 dam³

STIRLING LAKE OUTFLOW NEAR STIRLING - STATION NO. 05AF029

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.5278	0.221	0.882	0.882	1.88	0.298	1.08	0.8788	---	1
2	---	---	0 B	0.4128	0.188	0.471	1.07	1.71	0.238	1.23	---	---	2
3	---	---	0 B	0.4188	0.182	0.613	1.28	1.89	0.300	0.841	---	---	3
4	---	---	0 B	0.8468	0.183	0.888	1.28	1.82	0.277	0.882	---	---	4
5	---	---	0 B	0.6018	0.130	0.822	1.30	1.74	0.233	0.882	---	---	5
6	---	---	0 B	0.6188	0.100	0.818	1.84	1.88	0.284	0.813	---	---	6
7	---	---	0 B	0.538	0.078	0.747	1.90	1.44	0.282	0.884	---	---	7
8	---	---	0.0188	0.398	0.084	0.898	1.82	1.20	0.455	0.782	---	---	8
9	---	---	0.1258	0.298	0.082	0.842	1.34	1.39	0.431	1.08	---	---	9
10	---	---	0.1298	0.289	0.034	2.82	1.80	1.81	0.241	1.38	---	---	10
11	---	---	0.4328	0.333	0.020	11.7	1.92	1.24	0.208	0.848	---	---	11
12	---	---	0.5068	0.202	0.018	8.88	1.28	1.13	0.218	0.783	---	---	12
13	---	---	0.4278	0.178	0.080	3.08	1.41	1.12	0.388	0.888	---	---	13
14	---	---	0.2568	0.152	0.133	1.40	3.80	1.05	0.453	0.788	---	---	14
15	---	---	0.2318	0.184	0.268	0.718	2.80	1.15	0.887	1.11	---	---	15
16	---	---	0.1618	0.187	0.208	0.788	2.08	1.18	0.548	1.13	---	---	16
17	---	---	0.1148	0.159	0.884	0.842	2.07	1.03	0.842	0.818	---	---	17
18	---	---	0.0738	0.188	0.818	0.831	1.07	1.10	0.778	0.818	---	---	18
19	---	---	0.0738	0.184	1.14	0.448	0.884	1.28	0.874	0.811	---	---	19
20	---	---	0.0588	0.128	1.37	0.398	1.28	1.28	0.438	0.880	---	---	20
21	---	---	0.0548	0.113	1.41	0.370	1.81	1.40	0.384	0.838	---	---	21
22	---	---	0.0708	0.118	1.24	0.343	1.48	1.11	0.533	0.818	---	---	22
23	---	---	0.0878	0.088	0.818	0.811	1.81	1.18	0.488	0.482	---	---	23
24	---	---	0.0968	0.088	1.08	1.08	2.35	1.15	0.428	0.488	---	---	24
25	---	---	0.0478	0.280	2.07	1.41	2.79	1.48	0.480	0.420	---	---	25
26	---	---	0.7828	0.308	2.02	1.78	3.17	1.84	0.813	0.392	---	---	26
27	---	08	3.88 B	0.305	1.72	1.81	2.14	1.31	0.833	0.388	---	---	27
28	---	08	3.78 B	0.225	2.83	1.12	2.17	1.48	0.881	0.313	---	---	28
29	---		2.78 B	0.300	2.87	1.02	1.83	1.14	0.730	0.2778	---	---	29
30	---		1.48 B	0.248	1.50	1.08	1.81	0.921	0.798	0.2788	---	---	30
31	---		0.8738		1.01		1.88	0.888		0.2748			31
TOTAL	---	---	18.248	8.838	24.381	48.304	54.848	40.837	13.703	21.298	---	---	TOTAL
MEAN	---	---	0.824	0.288	0.788	1.81	1.77	1.31	0.487	0.887	---	---	MEAN
MAX	---	---	3.78	0.818	2.87	11.7	3.80	1.88	0.798	1.38	---	---	MAX
MIN	---	---	0	0.088	0.018	0.343	0.884	0.888	0.208	0.374	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.832
MAXIMUM DAILY, 11.7 ON JUN 11
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
12.8 AT 20:00 MST ON JUN 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 31 50 N
LONG 113 30 28 W

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4 740
FEB	---	AUG	3 610
MAR	1 400	SEP	1 180
APR	773	OCT	1 840
MAY	2 110	NOV	---
JUN	4 170	DEC	---

TOTAL DISCHARGE, 19 700 dam³

STONY CREEK NEAR TAWATINAW - STATION NO. 07BE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0018	0.0018	0.024	0.148	0.884	0.323	0.488	0.044	---	---	1
2	---	---	0.0018	0.0018	0.021	0.130	1.82	0.314	0.549	0.082	---	---	2
3	---	---	0.0018	0.0018	0.020	0.316	1.10	0.288	0.332	0.081	---	---	3
4	---	---	0.0018	0.0018	0.030	0.148	0.587	0.278	0.183	0.087	---	---	4
5	---	---	0.0018	0.0138	0.030	0.148	0.440	0.264	1.28	0.082	---	---	5
6	---	---	0.0018	0.2148	0.028	0.072	0.288	0.228	0.181	0.132	---	---	6
7	---	---	0.0018	0.2738	0.024	0.078	0.178	0.161	0.118	0.100	---	---	7
8	---	---	0.0018	0.342	0.022	0.104	0.691	0.144	0.082	0.081	---	---	8
9	---	---	0.0018	0.438	0.021	0.116	1.33	0.147	0.301	0.083	---	---	9
10	---	---	0.0018	0.317	0.023	0.293	1.30	0.128	0.178	0.072	---	---	10
11	---	---	0.0018	0.358	0.028	0.364	1.43	0.387	0.128	0.068	---	---	11
12	---	---	0.0018	0.382	0.022	2.07	1.88	0.432	0.082	0.086	---	---	12
13	---	---	0.0018	0.341	0.018	0.300	0.740	0.188	0.087	0.082	---	---	13
14	---	---	0.0018	0.418	0.012	0.038	0.705	0.080	0.078	0.083	---	---	14
15	---	---	0.0018	0.412	0.083	0.034	0.763	0.048	0.088	0.082	---	---	15
16	---	---	0.0018	0.881	0.031	0.018	0.340	0.035	0.082	0.080	---	---	16
17	---	---	0.0018	0.247	0.026	0.018	0.288	0.022	0.088	0.088	---	---	17
18	---	---	0.0018	0.280	0.026	0.036	0.335	0.021	0.087	0.086	---	---	18
19	---	---	0.0018	0.393	0.335	0.048	0.253	0.103	0.084	0.080	---	---	19
20	---	---	0.0018	0.288	1.00	0.028	0.218	0.302	0.084	0.087	---	---	20
21	---	---	0.0018	0.317	0.830	0.082	0.121	0.080	0.081	0.089	---	---	21
22	---	---	0.0018	0.202	1.08	0.198	0.148	0.034	0.085	0.071	---	---	22
23	---	---	0.0018	0.143	0.774	0.427	0.142	0.036	0.047	0.073	---	---	23
24	---	---	0.0018	0.114	0.531	0.474	0.112	0.038	0.044	0.071	---	---	24
25	---	---	0.0018	0.100	0.384	0.613	0.124	0.033	0.042	0.071	---	---	25
26	---	---	0.0018	0.088	0.261	0.380	0.111	0.018	0.044	0.078	---	---	26
27	---	---	0.0018	0.084	0.178	0.371	0.102	0.017	0.042	0.077	---	---	27
28	---	---	0.0018	0.038	0.131	0.514	0.078	0.018	0.042	0.081	---	---	28
29	---	---	0.0018	0.032	0.127	0.446	0.718	0.055	0.043	0.084	---	---	29
30	---	---	0.0018	0.028	0.202	0.445	0.583	0.055	0.042	0.081	---	---	30
31	---	---	0.0018		0.088		0.486	0.133		0.072A		---	31
TOTAL	---	---	0.031	8.490	8.491	8.243	18.718	4.347	4.958	2.242	---	---	TOTAL
MEAN	---	---	0.001	0.218	0.209	0.275	0.804	0.140	0.165	0.072	---	---	MEAN
MAX	---	---	0.001	0.851	1.08	2.07	1.82	0.432	1.28	0.132	---	---	MAX
MIN	---	---	0.001	0.001	0.012	0.018	0.111	0.018	0.042	0.044	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.210
MAXIMUM DAILY, 2.07 ON JUN 13
MINIMUM DAILY, 0.0018 ON MAR 1
MAXIMUM INSTANTANEOUS,
5.62 AT 08:50 MST ON JUL 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 17 35 N
LONG 113 27 45 W
DRAINAGE AREA, 126 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 830
FEB	---	AUG	376
MAR	2.68	SEP	428
APR	581	OCT	194
MAY	581	NOV	---
JUN	713	DEC	---

TOTAL DISCHARGE, 4 480 dam³

STRAWBERRY CREEK NEAR THE MOUTH - STATION NO. 05DF004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	3.00 B	0.888A	0.704E	0.800	0.200	0.482	0.141	---	---	1
2	---	---	0 B	4.80 B	0.836A	0.827E	0.688	0.335	0.821	0.140	---	---	2
3	---	---	0 B	16.5 B	0.639A	0.540E	0.826	0.878	0.438	0.140	---	---	3
4	---	---	0 B	18.0 B	0.730A	0.472E	0.728	8.10	0.439	0.144	---	---	4
5	---	---	0 B	17.5 B	0.723A	0.385A	0.681	7.81	0.873	0.180	---	---	5
6	---	---	0 B	15.0 B	0.643A	0.253A	0.488	4.38	0.678	0.156	---	---	6
7	---	---	0 B	4.80 B	0.782A	0.284A	0.388	3.46	0.674	0.218	---	---	7
8	---	---	0 B	8.35 B	0.488A	0.180A	4.09	1.83	0.809	0.120	---	---	8
9	---	---	0 B	9.30 B	0.488A	0.317A	13.7	1.16	0.468	0.147	---	---	9
10	---	---	0 B	8.98 B	0.417A	1.06 A	14.8	0.773	0.441	0.180	---	---	10
11	---	---	0 B	9.20 B	0.843A	1.77 A	27.6	0.597	0.445	0.234	---	---	11
12	---	---	0 B	9.30 B	0.810A	1.06 A	13.3	0.437	0.384	0.243	---	---	12
13	---	---	0 B	9.20 B	0.617A	0.769A	8.81	0.381	0.327	0.262	---	---	13
14	---	---	0 B	8.80 B	0.438A	0.578A	3.67	0.287	0.301	0.334	---	---	14
15	---	---	0 B	9.00 B	0.338A	0.883A	1.74	0.276	0.230	0.376	---	---	15
16	---	---	0 B	7.90 B	0.301A	0.857	1.28	0.383	0.210	0.370	---	---	16
17	---	---	0 B	8.30 B	0.308A	0.824	1.05	0.724	0.217	0.317	---	---	17
18	---	---	0 B	3.33 B	0.288A	0.491	0.980	0.306	0.283	0.378	---	---	18
19	---	---	0 B	2.84 A	0.730A	0.410	0.778	0.281	0.213	0.432	---	---	19
20	---	---	0 B	2.17 A	10.8 A	0.385	0.818	0.484	0.200	0.338	---	---	20
21	---	---	0 B	1.74 A	12.2 A	0.385	0.804	0.788	0.187	0.338	---	---	21
22	---	---	0 B	1.69 A	8.76 A	0.358	0.443	1.08	0.164	0.312	---	---	22
23	---	---	0 B	1.60 A	5.03 E	0.335	0.337	1.27	0.152	0.417	---	---	23
24	---	---	0 B	1.30 A	3.32 A	0.372	0.343	0.901	0.142	0.418	---	---	24
25	---	---	0 B	1.28 A	3.13 A	0.377	0.383	0.857	0.138	0.882	---	---	25
26	---	---	0 B	1.22 A	3.78 A	0.248	0.307	0.854	0.148	1.91	---	---	26
27	---	---	0 B	0.980A	3.04 A	0.474	0.283	0.810	0.142	1.83	---	---	27
28	---	---	0 B	0.847A	1.47 A	0.889	0.314	0.438	0.138	1.40	---	---	28
29	---	---	0 B	0.744A	1.18 A	0.858	0.288	0.438	0.140	1.13	---	---	29
30	---	---	0 B	0.892A	0.810A	0.726	0.268	0.393	0.138	0.878A	---	---	30
31	---	---	0.1008		0.781A		0.238	0.388		0.830E		---	31
			0.8008										
TOTAL	---	---	0.800	180.813	88.084	18.788	84.878	38.421	9.328	15.013	---	---	TOTAL
MEAN	---	---	0.018	5.36	2.23	0.580	3.06	1.17	0.311	0.484	---	---	MEAN
MAX	---	---	0.800	18.0	12.2	1.77	27.6	7.81	0.878	1.91	---	---	MAX
MIN	---	---	0	0.883	0.301	0.180	0.238	0.388	0.138	0.130	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.77
MAXIMUM DAILY, 27.4 ON JUL 11
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
31.8 AT 07:14 MST ON JUL 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 18 41 N
LONG 114 03 02 W
DRAINAGE AREA, 584 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	8 200
FEB	---	AUG	3 150
MAR	61.8	SEP	808
APR	10 800	OCT	1 300
MAY	6 870	NOV	---
JUN	1 480	DEC	---

TOTAL DISCHARGE, 37 400 dam³

STRETTON CREEK NEAR MARWAYNE - STATION NO. 06EE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR		APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	B	0.0208	0.003	0.001	0	0	0.001	0	---	---	1
2	---	---	0	B	0.1858	0.001	0.001	0	0	0.001	0	---	---	2
3	---	---	0	B	0.8818	0.001	0	0	0.001	0.001	0	---	---	3
4	---	---	0	B	0.8388	0	0	0	0.001	0.001	0	---	---	4
5	---	---	0	B	0.3448	0	0	0	0.001	0.002	0	---	---	5
6	---	---	0	B	0.2438	0	0	0	0.001	0.008	0	---	---	6
7	---	---	0	B	0.1378	0	0	0	0.001	0.003	0	---	---	7
8	---	---	0	B	0.1148	0	0	0	0	0.010	0	---	---	8
9	---	---	0	B	0.106	0	0.002	0.001	0	0.008	0	---	---	9
10	---	---	0	B	0.074	0	0.008	0.052	0.001	0.008	0	---	---	10
11	---	---	0	B	0.040	0	0.011	0.811	0.131	0.003	0	---	---	11
12	---	---	0	B	0.040	0	0.004	0.237	0.080	0.002	0	---	---	12
13	---	---	0	B	0.033	0	0.002	0.062	0.067	0.001	0	---	---	13
14	---	---	0	B	0.017	0	0.001	0.004	0.031	0.001	0	---	---	14
15	---	---	0	B	0.020	0	0	0	0	0.001	0	---	---	15
16	---	---	0	B	0.014A	0	0	0	0	0.001	0	---	---	16
17	---	---	0	B	0.011	0.001	0	0	0	0.001	0	---	---	17
18	---	---	0	B	0.006	0.002	0	0	0	0.001	0	---	---	18
19	---	---	0	B	0.008	0.026	0	0	0	0	0	---	---	19
20	---	---	0	B	0.009	0.083	0	0	0	0	0	---	---	20
21	---	---	0	B	0.011	0.043	0	0	0	0	0	---	---	21
22	---	---	0	B	0.008	0.023	0	0	0	0	0	---	---	22
23	---	---	0	B	0.010	0.008	0	0	0	0	0	---	---	23
24	---	---	0	B	0.011	0.008	0	0	0	0	0	---	---	24
25	---	---	0	B	0.008	0.003	0	0	0	0	0	---	---	25
26	---	---	0	B	0.007	0.002	0	0	0	0	0	---	---	26
27	---	0E	0	B	0.008	0.001	0	0	0	0	0	---	---	27
28	---	0E	0	B	0.008	0.001	0	0	0	0	0	---	---	28
29	---		0	B	0.008	0.001	0	0	0	0	0	---	---	29
30	---		0	B	0.008	0.001	0	0	0	0	0.038A	---	---	30
31	---		0.0048			0.001		0	0.001		0.015E		---	31
TOTAL	---	---	0.004		2.916	0.178	0.031	0.887	0.336	0.047	0.080	---	---	TOTAL
MEAN	---	---	0		0.087	0.006	0.001	0.031	0.011	0.002	0.002	---	---	MEAN
MAX	---	---	0.004		0.881	0.083	0.011	0.811	0.131	0.010	0.038	---	---	MAX
MIN	---	---	0		0.005	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.018
MAXIMUM DAILY, 0.8818 ON APR 3
MINIMUM DAILY, 0E ON MAR 1
MAXIMUM INSTANTANEOUS,
1.030 AT 07:55 MST ON APR 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 26 30 N
LONG 110 18 30 W
DRAINAGE AREA, 82.1 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	83.5
FEB	---	AUG	28.2
MAR	0.35	SEP	4.05
APR	252	OCT	6.32
MAY	15.4	NOV	---
JUN	2.68	DEC	---

TOTAL DISCHARGE, 391 dam³

STURGEON LAKE AT WILLIAMSON PARK - STATION NO. 07GH003

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	677.328	677.162	677.070	677.083	676.957	---	---	1
2	---	---	---	---	---	677.327	677.162	677.070	677.083	676.957	676.881	---	2
3	---	---	---	---	676.948	677.322	677.172	677.120	677.058	---	---	---	3
4	---	---	---	---	676.938	677.323	677.172	677.120	677.056	676.957	---	---	4
5	---	---	---	---	676.948	677.323	677.172	677.120	677.053	---	---	---	5
6	---	---	---	---	---	677.318	677.172	677.085	677.043	676.957	---	---	6
7	---	---	---	---	---	677.318	677.172	677.085	---	---	---	---	7
8	---	---	---	---	676.952	677.314	677.162	677.070	677.038	---	---	---	8
9	---	---	---	---	676.952	---	677.157	677.070	677.038	---	---	---	9
10	---	---	---	---	676.951	677.340	677.158	677.085	677.038	---	---	---	10
11	---	---	---	676.895	676.951	677.320	677.161	677.085	677.018	---	---	---	11
12	---	---	---	---	676.945	677.298	677.141	677.080	---	---	---	---	12
13	---	---	---	---	---	677.288	677.141	677.070	---	---	---	---	13
14	---	---	---	---	---	677.283	677.161	677.070	677.006	---	---	---	14
15	---	---	---	---	676.954	677.276	677.161	677.069	677.003	---	---	---	15
16	---	---	---	---	676.944	677.288	677.158	677.068	676.996	---	---	---	16
17	---	---	---	---	676.944	677.283	677.158	677.084	676.996	676.906	---	---	17
18	---	---	---	---	---	677.258	677.159	677.068	---	---	---	---	18
19	---	---	---	676.915	676.953	677.238	677.159	677.068	---	---	---	---	19
20	---	---	676.862	---	676.977	677.226	677.161	677.069	676.987	---	---	---	20
21	---	---	---	---	677.092	677.220	677.161	677.068	---	---	---	---	21
22	---	---	---	---	677.161	677.212	677.158	677.069	676.972	---	---	---	22
23	---	676.844	---	---	677.223	677.202	677.161	677.078	676.987	676.886	---	---	23
24	---	---	---	---	677.221	---	677.131	677.083	676.987	---	---	---	24
25	---	---	---	---	677.241	---	677.140	677.089	676.982	---	---	---	25
26	---	---	---	676.939	677.240	---	677.122	677.088	676.981	---	---	---	26
27	---	---	---	---	677.274	---	677.141	677.084	676.987	---	---	---	27
28	---	---	---	---	677.285	677.172	677.126	---	---	---	---	---	28
29	---		---	---	677.310	677.167	677.105	677.088	676.987	---	---	---	29
30	---		---	---	677.316	677.152	677.095	677.088	---	---	---	---	30
31	---		---		677.331		677.080	677.089		676.952		---	31
MEAN	---	---	---	---	---	---	677.150	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	677.162	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	677.080	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 05 00 N
LONG 117 33 30 W

NATURAL FLOW

DRAINAGE AREA, 642 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

STURGEON RIVER NEAR PORT SASKATCHEWAN - STATION NO. 05EA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.044B	0.023B	4.73	5.53	1.20	1.74	4.48	8.55	8.17	---	1
2	---	---	0.044B	0.023B	4.50	5.54	1.06	1.78	4.61	7.03	8.23A	---	2
3	---	---	0.044B	0.100B	4.26	5.32	0.946	1.70	4.88	7.13	---	---	3
4	---	---	0.044B	1.00 B	4.07	5.02	0.941	1.72	4.88	7.22	---	---	4
5	---	---	0.044B	4.00 B	4.00	4.89	0.868	1.80	4.84	7.27	---	---	5
6	---	---	0.040B	4.88 B	3.88	4.81	0.803	1.90	4.84	7.31	---	---	6
7	---	---	0.040B	5.16 B	3.47	4.27	0.788	1.97	5.10	7.38	---	---	7
8	---	---	0.040B	5.47 B	3.38	3.92	3.74	2.01	5.18	7.45	---	---	8
9	---	---	0.040B	4.80 B	3.18	3.77	3.83	1.98	5.23	7.51	---	---	9
10	---	---	0.040B	4.38 B	3.06	3.48	4.97	1.89	5.39	7.64	---	---	10
11	---	---	0.038B	4.80 B	2.87	3.23	4.04	2.02	5.40	7.68	---	---	11
12	---	---	0.038B	5.88 B	3.33	3.08	3.07	2.07	5.48	7.71	---	---	12
13	---	---	0.038B	7.40 B	2.87	2.91	2.68	2.20	5.62	7.73	---	---	13
14	---	---	0.038B	7.18 B	2.76	2.48	2.15	2.31	5.80	7.71	---	---	14
15	---	---	0.036B	5.68 B	2.88	2.38	1.70	2.42	5.87	7.71	---	---	15
16	---	---	0.031B	5.84 B	2.81	2.23	1.61	2.88	5.84	7.73	---	---	16
17	---	---	0.031B	6.20 B	2.72	2.37	1.65	3.80	5.82	7.78	---	---	17
18	---	---	0.031B	6.20 B	2.88	2.48	1.78	3.17	5.80	7.76	---	---	18
19	---	---	0.031B	6.10 B	3.27	2.11	1.92	3.32	5.88	7.84	---	---	19
20	---	---	0.031B	7.78 B	4.32	1.74	1.98	3.80	6.06	8.20	---	---	20
21	---	---	0.027B	7.36	5.16	1.87	1.87	3.48	6.15	8.23	---	---	21
22	---	---	0.027B	7.19	4.77	1.80	1.82	3.86	6.21	8.20	---	---	22
23	---	---	0.027B	6.97	4.32	1.80	1.88	3.72	6.28	8.18	---	---	23
24	---	---	0.027B	6.71	4.82	1.40	1.78	3.77	6.28	8.24	---	---	24
25	---	---	0.027B	6.48	5.02	1.24	1.73	3.83	6.40	8.33	---	---	25
26	---	---	0.023B	6.18	5.31	1.08	1.66	3.82	6.48	8.31	---	---	26
27	---	---	0.023B	5.84	5.38	1.24	1.88	4.01	6.54	8.33	---	---	27
28	---	---	0.023B	5.68	5.35	1.22	1.78	4.08	6.59	8.32	---	---	28
29	---		0.023B	5.40	5.45	2.04	1.78	4.23	6.72	8.32	---	---	29
30	---		0.023B	5.08	5.57	1.88	1.83	4.41	6.85	8.38	---	---	30
31	---		0.023B		5.80		1.82	4.46		8.22		---	31
TOTAL	---	---	1.036	182.988	124.66	88.22	81.403	88.81	170.78	241.78	---	---	TOTAL
MEAN	---	---	0.033	6.43	4.03	2.87	1.88	2.86	5.69	7.80	---	---	MEAN
MAX	---	---	0.044	8.20	5.57	5.54	4.97	4.46	6.85	8.38	---	---	MAX
MIN	---	---	0.023	0.023	2.81	1.08	0.788	1.70	4.48	6.98	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.83
MAXIMUM DAILY, 8.38 ON OCT 30
MINIMUM DAILY, 0.023B ON MAR 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 47 14 N
LONG 113 13 33 W
DRAINAGE AREA, 3 350 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5 310
FEB	---	AUG	7 680
MAR	68.8	SEP	14 800
APR	14 100	OCT	20 800
MAY	10 800	NOV	---
JUN	7 450	DEC	---

TOTAL DISCHARGE, 81 100 dam³

STURGEON RIVER NEAR MAGNOLIA BRIDGE - STATION NO. 05EA010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.001B	1.40 B	0.187	0.377	1.50	0.083	0.381	0.215	0.170A	---	1
2	---	---	0.001B	2.80 B	0.170	0.241	0.488	1.07	0.434	0.208	---	---	2
3	---	---	0.001B	2.80 B	0.137	0.161	0.817	4.28	0.445	0.189	---	---	3
4	---	---	0.001B	2.43 B	0.128	0.118	0.622	5.36	0.431	0.183	---	---	4
5	---	---	0.001B	2.86 B	0.117	0.080	0.582	5.00	1.86	0.188	---	---	5
6	---	---	0.001B	2.57 B	0.113	0.075	0.382	2.56	1.63	0.213	---	---	6
7	---	---	0.001B	2.02 B	0.116	0.071	0.736	1.47	0.974	0.185	---	---	7
8	---	---	0.002B	1.55 B	0.086	0.048	12.4	1.21	0.783	0.191	---	---	8
9	---	---	0.002B	1.36 B	0.077	0.443	24.3	0.886	0.503	0.181	---	---	9
10	---	---	0.002B	1.48 B	0.073	2.23	12.4	0.807	0.404	0.206	---	---	10
11	---	---	0.003B	2.83 B	0.078	1.82	12.2	0.811	0.317	0.241	---	---	11
12	---	---	0.002B	4.88 B	0.441	1.26	8.76	0.486	0.378	0.314	---	---	12
13	---	---	0.002B	4.35 B	0.285	0.714	3.41	0.291	0.340	0.260	---	---	13
14	---	---	0.002B	3.24 B	0.080	0.488	1.87	0.283	0.274	0.383	---	---	14
15	---	---	0.002B	3.04 B	0.032	0.450	0.980	0.228	0.283	0.282	---	---	15
16	---	---	0.002B	2.46 B	0.024	0.362	0.833	0.242	0.311	0.288	---	---	16
17	---	---	0.002B	1.84 B	0.037	0.313	0.688	1.88	0.360	0.267	---	---	17
18	---	---	0.002B	1.38	0.038	0.328	0.818	4.38	0.338	0.271	---	---	18
19	---	---	0.002B	0.848	0.827	0.228	0.527	2.87	0.268	0.281	---	---	19
20	---	---	0.002B	0.721	8.24	0.228	0.273	1.63	0.247	0.284	---	---	20
21	---	0.001B	0.002B	0.583	4.73	0.228	0.309	1.44	0.218	0.278	---	---	21
22	---	0.001B	0.002B	0.530	2.82	0.187	0.194	1.86	0.184	0.270	---	---	22
23	---	0.001B	0.002B	0.459	2.04	0.178	0.138	1.63	0.181	0.270	---	---	23
24	---	0.001B	0.002B	0.393	1.72	0.180	0.134	1.13	0.168	0.807	---	---	24
25	---	0.001B	0.002B	0.389	1.62	0.161	0.151	0.849	0.175	1.16	---	---	25
26	---	0.001B	0.002B	0.327	1.30	0.126	0.149	0.488	0.178	1.08	---	---	26
27	---	0.001B	0.002B	0.255	0.828	2.46	0.113	0.480	0.181	0.817	---	---	27
28	---	---	0.002B	0.228	0.529	8.21	0.088	0.387	0.230	0.683	---	---	28
29	---		0.004B	0.201	0.357	3.44	0.078	0.408	0.284	0.368	---	---	29
30	---		0.012B	0.188	0.304	2.08	0.072	0.533	0.245	0.306	---	---	30
31	---		0.020B		0.889		0.067	0.461		0.261		---	31
TOTAL	---	---	0.088	48.824	25.134	25.380	84.285	44.089	13.078	10.883	---	---	TOTAL
MEAN	---	---	0.003	1.58	0.811	0.846	2.72	1.48	0.438	0.350	---	---	MEAN
MAX	---	---	0.020	4.88	8.24	8.21	24.3	5.36	1.86	1.16	---	---	MAX
MIN	---	---	0.001	0.188	0.024	0.048	0.067	0.083	0.175	0.181	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.04
MAXIMUM DAILY, 24.3 ON JUL 9
MINIMUM DAILY, 0.001B ON MAR 1
MAXIMUM INSTANTANEOUS,
40.2 AT 03:00 MST ON JUL 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 35 28 N
LONG 114 51 35 W
DRAINAGE AREA, 121 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	7 260
FEB	---	AUG	3 880
MAR	7.88	SEP	1 130
APR	4 300	OCT	939
MAY	2 170	NOV	---
JUN	2 190	DEC	---

TOTAL DISCHARGE, 21 900 dam³

STURGEON RIVER NEAR VILLENEUVE - STATION NO. 05EA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.1348	0.1038	0.1088	0.6888	1.30	4.05	2.09	3.18	4.63	5.09	5.09	5.010	1
2	0.1348	0.1038	0.1088	0.7188	1.30	3.92	2.02	3.17	4.88	5.07	5.08	5.270	2
3	0.1348	0.1038	0.1088	1.07 B	1.27	3.92	1.93	3.23	5.03	5.04	5.14	4.868	3
4	0.1348	0.1038	0.1088	1.31 B	1.30	3.71	1.94	3.31	5.14	5.77	5.14	4.378	4
5	0.1348	0.1038	0.1088	2.45 B	1.30	3.43	1.87	3.48	5.29	5.86	5.10	4.078	5
6	0.1308	0.1048	0.1088	3.05 B	1.33	3.28	1.77	3.48	5.53	5.89	5.01	3.908	6
7	0.1308	0.1048	0.1088	5.10 B	1.35	3.18	1.73	3.56	5.59	5.86	5.86	3.638	7
8	0.1308	0.1048	0.1088	5.50 B	1.40	3.03	2.10	3.68	5.61	5.82	5.85	3.458	8
9	0.1308	0.1048	0.1088	5.20 B	1.49	3.08	3.02	3.88	5.88	5.81	5.85	3.428	9
10	0.1268	0.1048	0.1088	5.80 B	1.76	3.22	5.78	3.58	5.00	5.81	5.83	3.118	10
11	0.1258	0.1058	0.1088	7.00 B	1.74	3.30	6.80	3.65	5.96	5.83	5.008	2.788	11
12	0.1258	0.1058	0.1088	7.00 B	1.78	3.25	7.28	3.84	6.13	5.87	5.048	2.648	12
13	0.1258	0.1058	0.1088	6.40 B	1.74	3.08	7.87	3.81	6.17	5.87	5.088	3.098	13
14	0.1258	0.1058	0.1088	4.82 B	1.71	2.95	7.72	3.81	6.12	5.72	5.138	3.028	14
15	0.1208	0.1088	0.1088	3.48	1.73	2.87	7.89	3.83	6.18	5.84	5.188	3.318	15
16	0.1208	0.1088	0.1088	3.44	1.69	2.77	7.49	3.93	6.34	5.93	5.228	3.808	16
17	0.1208	0.1088	0.1088	3.41	1.71	2.75	7.02	4.07	6.39	5.91	5.288	3.488	17
16	0.1208	0.1088	0.1118	2.98	1.77	2.88	6.41	4.21	6.55	5.98	5.318	3.118	18
19	0.1208	0.1088	0.1148	2.72	2.17	2.82	5.85	4.28	6.64	6.32	5.358	2.788	19
20	0.1158	0.1088	0.1178	2.80	3.13	2.80	5.40	4.29	6.84	6.32	5.408	2.458	20
21	0.1158	0.1078	0.1208	2.28	3.81	2.51	4.88	4.31	7.12	6.27	5.448	2.388	21
22	0.1158	0.1078	0.1238	2.01	4.24	2.37	4.60	4.38	7.10	6.18	7.108	2.298	22
23	0.1158	0.1078	0.1268	1.86	4.48	2.24	4.19	4.38	7.18	6.17	7.028	2.208	23
24	0.1088	0.1078	0.1288	1.78	4.53	2.17	4.02	4.30	7.23	6.17	6.988	2.358	24
25	0.1088	0.1078	0.1318	1.85	4.85	2.01	3.85	4.33	7.18	6.28	6.998	2.828	25
26	0.1088	0.1078	0.1348	1.80	4.98	1.87	3.82	4.35	7.18	6.28	6.858	2.788	26
27	0.1088	0.1088	0.1378	1.80	4.87	1.80	3.47	4.31	7.17	6.20	6.808	3.018	27
28	0.1088	0.1088	0.1408	1.40	4.85	2.08	3.36	4.38	7.08	6.23	6.888	3.138	28
29	0.1038		0.1438	1.37	4.50	2.04	3.35	4.48	7.01	6.27	6.448	3.258	29
30	0.1038		0.8228	1.35	4.34	2.05	3.24	4.51	7.03	6.22	5.998	3.288	30
31	0.1038		0.6858		4.11		3.18	4.55		6.11		3.288	31
TOTAL	3.729	2.948	4.848	83.214	82.45	84.84	138.10	122.08	188.96	200.78	188.78	102.48	TOTAL
MEAN	0.120	0.105	0.150	3.11	2.66	2.83	4.38	3.94	6.30	6.48	6.33	3.30	MEAN
MAX	0.134	0.104	0.686	7.00	4.99	4.05	7.89	4.55	7.23	6.93	7.10	6.81	MAX
MIN	0.103	0.103	0.108	0.686	1.27	1.87	1.73	3.18	4.63	6.11	5.92	2.20	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.32
MAXIMUM DAILY, 7.89 ON JUL 15
MINIMUM DAILY, 0.1038 ON JAN 29
MAXIMUM INSTANTANEOUS,
8.02 AT 10:00 MST ON JUL 15

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 39 14 N
LONG 113 48 42 W
DRAINAGE AREA, 1 810 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	333	JUL 11 800	
FEB	265	AUG 10 500	
MAR	401	SEP 10 300	
APR	8 950	OCT 17 300	
MAY	7 130	NOV 10 400	
JUN	7 330	DEC 8 850	

TOTAL DISCHARGE, 105 000 dam³

SUNDANCE CREEK NEAR BICKERDIKE - STATION NO. 07AF010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1068	0.1878	1.13 B	1.15	4.87	0.879	2.13	0.585	---	---	1
2	---	---	0.1048	0.1728	1.18 B	1.10	4.24	1.17	2.03	0.617	---	---	2
3	---	---	0.1038	0.1728	1.21 B	1.05	4.46	1.83	1.89	0.589	---	---	3
4	---	---	0.1038	0.1758	1.37 B	1.00	4.88	3.82	1.80	0.589	---	---	4
5	---	---	0.1078	0.1808	1.33 B	0.948	5.38	3.11	1.75	0.617	---	---	5
6	---	---	0.1088	0.1838	1.43 B	0.902	5.88	2.58	1.74	0.606	---	---	6
7	---	---	0.1088	0.1878	1.38	0.856	5.89	2.19	1.88	0.606	---	---	7
8	---	---	0.1108	0.1948	1.32	0.814	5.82	1.88	1.85	0.606	---	---	8
9	---	---	0.1158	0.2088	1.26	1.08	6.38	1.87	1.83	0.589	---	---	9
10	---	---	0.1208	0.2238	1.26	1.77	7.21	2.06	1.38	0.902	---	---	10
11	---	---	0.1228	0.2548	1.21	2.02	7.77	1.75	1.23	0.648	---	---	11
12	---	---	0.1208	0.2988	1.17	1.72	7.08	1.80	1.11	0.878	---	---	12
13	---	---	0.1188	0.3708	1.13	1.47	6.12	1.48	1.02	0.842	---	---	13
14	---	---	0.1168	0.3078	1.09	1.26	4.87	1.26	0.920	0.818	---	---	14
15	---	---	0.1138	0.5388	1.04	1.26	4.00	1.83	0.838	0.804	---	---	15
16	---	---	0.1138	0.6088	1.00	1.10	3.36	2.45	0.808	0.593	---	---	16
17	---	---	0.1148	0.5378	0.967	0.968	2.82	3.51	0.817	0.5768	---	---	17
18	---	---	0.1158	0.5618	1.02	0.878	2.27	3.97	0.830	0.5588	---	---	18
19	---	---	0.1198	0.5358	1.27	0.811	2.02	4.44	0.828	0.561	---	---	19
20	---	---	0.1208	0.7188	1.88	0.784	1.78	4.45	0.828	0.5828	---	---	20
21	---	0.1848	0.1248	0.8058	2.04	0.892	1.77	4.48	0.848	0.584	---	---	21
22	---	0.1848	0.1288	0.9618	1.98	0.980	1.61	4.50	0.830	0.582	---	---	22
23	---	0.1828	0.1338	1.08 B	1.85	1.11	1.45	4.50	0.828	0.564	---	---	23
24	---	0.1808	0.1388	1.21 B	1.70	1.22	1.46	4.28	0.808	0.561	---	---	24
25	---	0.1848	0.1378	1.28 B	1.84	1.33	1.33	3.80	0.784	0.573	---	---	25
26	---	0.1388	0.1428	1.36 B	1.98	1.58	1.18	3.42	0.737	0.567	---	---	26
27	---	0.1308	0.1468	1.28 B	1.81	2.10	1.04	3.08	0.711	0.576	---	---	27
28	---	0.1288	0.1488	0.9718	1.43	4.78	0.978	2.78	0.857	0.577	---	---	28
29	---		0.1538	1.00 B	1.33	6.03	0.788	2.54	0.808	0.5488	---	---	29
30	---		0.1578	1.06 B	1.24	5.46	0.852	2.42	0.892	0.5208	---	---	30
31	---		0.1838		1.18		0.951	2.30		0.4918		---	31
TOTAL	---	---	3.820	17.838	42.227	49.438	109.888	85.238	34.308	18.178	---	---	TOTAL
MEAN	---	---	0.123	0.588	1.36	1.65	3.54	2.75	1.14	0.586	---	---	MEAN
MAX	---	---	0.183	1.28	2.04	6.03	7.77	4.50	2.13	0.878	---	---	MAX
MIN	---	---	0.103	0.187	0.967	0.784	0.769	0.878	0.892	0.491	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.47
MAXIMUM DAILY, 7.77 ON JUL 11
MINIMUM DAILY, 0.1038 ON MAR 3
MAXIMUM INSTANTANEOUS,
8.01 AT 08:14 MST ON JUL 11

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 33 56 N
LONG 118 43 12 W
DRAINAGE AREA, 174 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL 9 470	
FEB	---	AUG 7 380	
MAR	330	SEP 3 960	
APR	1 930	OCT 1 570	
MAY	3 660	NOV ---	
JUN	4 270	DEC ---	

TOTAL DISCHARGE, 31 100 dam³

SUNWAPTA RIVER AT ATHABASCA GLACIER - STATION NO. 07AA007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0018	1.03	3.08	5.86	1.85	0.868	---	---	1
2	---	---	---	---	0.0018	1.46	2.92	5.71	1.58	0.886	---	---	2
3	---	---	---	---	0.0038	1.97	2.78	3.84	1.42	0.428	---	---	3
4	---	---	---	---	0.0088	2.25	2.82	4.08	1.52	0.383	---	---	4
5	---	---	---	---	0.0138	2.58	2.88	5.28	1.21	0.488	---	---	5
6	---	---	---	---	0.0388	3.24	2.78	5.52	1.02	0.822	---	---	6
7	---	---	---	---	0.1888	3.15	3.07	6.83	1.17	0.826	---	---	7
8	---	---	---	---	0.1888	3.07	2.87	6.89	1.12	0.575	---	---	8
9	---	---	---	---	0.1778	3.46	2.86	6.31	0.984	0.571	---	---	9
10	---	---	---	---	0.1888	2.89	2.87	5.03	0.902	0.887	---	---	10
11	---	---	---	---	0.1888	2.75	3.38	5.18	0.818	0.804	---	---	11
12	---	---	---	---	0.1888	3.01	4.30	5.14	1.08	0.421	---	---	12
13	---	---	---	---	0.2858	3.47	5.28	5.41	1.31	0.324	---	---	13
14	---	---	---	---	0.3378	4.89	5.85	5.84	1.38	0.275	---	---	14
15	---	---	---	---	0.3388	8.53	8.18	4.27	1.88	0.248	---	---	15
16	---	---	---	---	0.3268	3.89	7.88	2.33	1.34	0.240	---	---	16
17	---	---	---	---	0.3148	2.10	6.60	1.81	1.08	0.232	---	---	17
18	---	---	---	---	0.3008	1.88	6.20	2.42	0.748	0.200	---	---	18
19	---	---	---	---	0.261	1.46	6.28	3.78	0.523	0.158	---	---	19
20	---	---	---	---	0.195	1.22	7.37	4.30	0.888	0.140	---	---	20
21	---	---	---	---	0.188	1.18	7.07	5.83	0.783	0.134	---	---	21
22	---	---	---	---	0.188	1.38	6.86	5.43	1.01	0.126	---	---	22
23	---	---	---	---	0.240	1.81	4.33	3.27	1.44	0.128	---	---	23
24	---	---	---	---	0.264	2.35	5.08	2.83	1.38	0.127	---	---	24
25	---	---	---	---	0.211	2.25	4.46	2.75	1.84	0.122	---	---	25
26	---	---	---	---	0.222	2.74	4.82	2.58	1.88	0.102E	---	---	26
27	---	---	---	---	0.213	2.84	5.19	2.24	1.95	0.093E	---	---	27
28	---	---	---	---	0.203	1.67	5.85	1.71	1.73	0.084E	---	---	28
29	---	---	---	---	0.288	2.20	5.73	1.40	1.80	0.072E	---	---	29
30	---	---	---	---	0.421	2.88	7.10	1.33	1.84	0.088A	---	---	30
31	---		---		0.831		7.91	1.38		0.081E		---	31
TOTAL	---	---	---	---	8.844	77.73	185.84	130.20	38.613	9.809	---	---	TOTAL
MEAN	---	---	---	---	0.211	2.58	5.02	4.20	1.38	0.318	---	---	MEAN
MAX	---	---	---	---	0.831	8.53	8.18	8.53	1.88	0.888	---	---	MAX
MIN	---	---	---	---	0.001	1.03	2.82	1.33	0.523	0.081	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.37
MAXIMUM DAILY, 8.18 ON JUL 18
MINIMUM DAILY, 0.0018 ON MAY 1
MAXIMUM INSTANTANEOUS,
10.6 AT 20:05 MST ON JUL 18

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 13 00 N
LONG 117 13 57 W
DRAINAGE AREA, 39.8 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	13 400
FEB	---	AUG	11 200
MAR	---	SEP	3 340
APR	---	OCT	847
MAY	888	NOV	---
JUN	8 730	DEC	---

TOTAL DISCHARGE, 38 100 dam³

SWAN RIVER NEAR KINUSO - STATION NO. 07BJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.4488	0.3368	0.2388	0.4788	80.8	35.1	9.88	27.3	16.8	5.73	2.82	2.318	1
2	0.4838	0.3368	0.2358	0.5448	48.8	31.8	18.1	71.8	16.3	6.28	2.83	2.348	2
3	0.4898	0.3468	0.2858	0.8868	37.2	28.1	46.0	281	13.4	5.88	3.43	2.488	3
4	0.4848	0.3488	0.2488	0.8778	34.8	30.8	28.3	241	11.8	5.58	4.82	2.708	4
5	0.4478	0.3248	0.2418	0.8478	38.1	17.2	18.1	301	10.2	5.12	8.83	2.888	5
6	0.4338	0.3158	0.2388	0.7748	38.7	18.1	14.7	138	8.48	6.10	10.0	2.848	6
7	0.4188	0.3238	0.2328	1.07 B	38.7	18.8	12.2	82.1	8.35	5.80	8.938	2.598	7
8	0.4168	0.3328	0.2348	1.38 B	31.4	20.8	38.1	67.8	8.83	5.17	4.848	2.638	8
9	0.3868	0.3628	0.2488	1.38 B	26.3	17.0	178	48.8	8.80	4.80	4.808	2.388	9
10	0.3728	0.3638	0.2448	1.41 B	22.8	18.4	117	38.5	8.14	4.81	8.138	2.248	10
11	0.3738	0.2688	0.2338	1.78 B	20.8	17.0	88.2	29.8	7.82	4.47	8.738	2.088	11
12	0.4008	0.2488	0.2348	2.36 B	17.6	13.9	65.3	28.2	7.11	4.33	8.078	2.088	12
13	0.4228	0.2348	0.2308	3.11 B	14.6	11.2	32.8	22.8	6.83	4.28	8.038	2.068	13
14	0.4288	0.2278	0.2308	3.36 B	12.3	9.41	24.2 A	18.4	6.12	4.19	4.758	2.038	14
15	0.4378	0.2068	0.2308	3.88 B	10.7	8.78A	18.0 A	16.7	5.86	4.08	4.888	2.048	15
16	0.4108	0.2328	0.2288	4.17 B	9.80	11.8 A	15.8	14.8	5.37	3.92	4.648	2.088	16
17	0.4028	0.2228	0.2288	4.08 B	9.30	9.78A	13.4	14.2	6.81	3.18	4.208	2.048	17
18	0.3878	0.2018	0.2368	8.23 B	8.88	7.88A	12.5	16.0	6.78	2.84	4.088	1.958	18
19	0.4038	0.2188	0.2408	7.84 B	33.8 A	7.12A	13.2	18.5	6.74	3.98	4.048	1.708	19
20	0.4188	0.2138	0.2468	10.8 B	221 A	7.38A	12.1	18.3	6.06	4.22	4.818	1.488	20
21	0.4288	0.2208	0.2858	15.4	130	10.4 A	33.8	14.5	6.05	4.10	5.338	1.198	21
22	0.4268	0.2368	0.2888	25.7	82.0	11.1 A	43.1	12.8	7.88	3.87	8.278	1.108	22
23	0.4198	0.2318	0.3068	27.4	74.8	8.48A	24.8	20.1	7.58	3.80	4.888	1.098	23
24	0.4098	0.2288	0.3068	19.5	80.2	8.21A	18.1 A	24.8	7.03	3.84	4.138	1.178	24
25	0.4048	0.2228	0.2898	17.8	85.3	7.48A	30.3	21.5	6.35	3.81	3.888	1.038	25
26	0.4208	0.2298	0.2808	20.7	84.7	7.00A	18.0	20.7	6.73	3.81	3.348	2.338	26
27	0.4218	0.2408	0.2828	24.9	87.8	8.24	14.1	20.8	6.28	3.40	2.848	2.888	27
28	0.4328	0.2388	0.3218	28.8	88.4	8.78	15.1	18.4	4.77	3.85	2.858	3.118	28
29	0.4488		0.3678	26.8	91.0	9.52	16.9	20.3	4.48	3.29	2.788	3.298	29
30	0.4178		0.3868	46.0	43.8	9.48	18.1	19.3	4.44	2.88	2.828	2.818	30
31	0.3868		0.4288		38.8		24.9	18.4		3.21		2.508	31
TOTAL	12.980	8.887	8.274	320.248	1 884.88	410.48	887.88	1 788.0	244.28	134.08	138.88	87.78	TOTAL
MEAN	0.418	0.238	0.267	10.7	80.2	13.7	31.8	57.8	8.14	4.32	4.48	2.18	MEAN
MAX	0.482	0.338	0.428	46.0	221	35.1	178	341	16.8	8.28	10.0	3.28	MAX
MIN	0.372	0.201	0.238	0.478	8.88	8.24	8.88	13.8	4.44	2.88	2.82	1.08	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.8
MAXIMUM DAILY, 341 ON AUG 4
MINIMUM DAILY, 0.2018 ON FEB 18
MAXIMUM INSTANTANEOUS,
354 AT 01:00 MST ON AUG 5

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 18 00 N
LONG 118 24 30 W
DRAINAGE AREA, 1 800 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 120	JUL	85 300
FEB	678	AUG	184 000
MAR	715	SEP	31 100
APR	27 700	OCT	11 600
MAY	134 000	NOV	12 100
JUN	38 800	DEC	8 850

TOTAL DISCHARGE, 490 000 dam³

SWAN RIVER NEAR SWAN HILLS - STATION NO. 07BJ003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.2388	0.2548	7.80	5.76	2.02	3.06	2.28	0.818	---	---	1
2	---	---	0.2388	0.2488	7.81	5.77	4.83	16.0	2.15	0.795	---	---	2
3	---	---	0.2388	0.2488	7.12	4.34	5.15	13.2	2.01	0.780	---	---	3
4	---	---	0.2388	0.2648	7.80	3.59	3.43	24.8	1.88	0.788	---	---	4
5	---	---	0.2388	0.2728	7.40	3.08	2.88	19.3	1.77	0.787	---	---	5
6	---	---	0.2388	0.3008	7.80	2.77	2.28	10.7	1.67	0.785	---	---	6
7	---	---	0.2378	0.3008	7.33	3.37	2.08	7.18	1.63	0.740	---	---	7
8	---	---	0.2408	0.2748	6.38	3.21	14.5	4.72	1.83	0.718	---	---	8
9	---	---	0.2408	0.2688	6.41	3.08	17.4	3.56	1.84	0.700	---	---	9
10	---	---	0.2408	0.2768	4.81	3.86	8.61	3.17	1.82	0.889	---	---	10
11	---	---	0.2388	0.2808	4.08	3.01	6.26	3.38	1.88	0.875	---	---	11
12	---	---	0.2308	0.3188	3.34	2.80	4.87	3.87	1.86	0.882	---	---	12
13	---	---	0.2288	0.5888	2.78	2.18	3.48	3.87	1.87	0.886	---	---	13
14	---	---	0.2308	0.7858	2.49	2.18	3.86	3.32	1.88 A	0.861	---	---	14
15	---	---	0.2208	0.8458	2.38	2.40	3.49	3.18	1.48 E	0.842	---	---	15
16	---	---	0.2208	0.8358	2.33	2.02	2.34	3.14	1.35 E	0.8288	---	---	16
17	---	---	0.2258	0.7808	2.25	1.76	2.28	2.70	1.48 E	0.8888	---	---	17
18	---	---	0.2258	0.6278	2.22	1.83	2.35	3.48	1.43 E	0.814	---	---	18
19	---	---	0.2308	0.5848	8.06	1.88	2.17	3.18	1.40 E	0.826	---	---	19
20	---	---	0.2388	2.33 B	10.3	1.88	3.80	2.82	1.37 E	0.827	---	---	20
21	---	---	0.2408	3.88 B	8.48	1.82	10.8	2.30	1.32 E	0.820	---	---	21
22	---	---	0.2488	4.21 B	4.80	1.68	8.86	2.38	1.12 E	0.808	---	---	22
23	---	---	0.2608	2.84 B	4.46	1.38	3.84	4.08	1.02 E	0.893	---	---	23
24	---	---	0.2658	2.48 B	7.20	1.28	3.40	3.23	0.8802	0.887	---	---	24
25	---	---	0.2658	4.83 B	8.26	1.22	3.17	3.18	0.830A	0.884	---	---	25
26	---	---	0.2608	4.66	8.14	1.11	2.84	3.20	0.876	0.881	---	---	26
27	---	---	0.2458	5.88	8.78	1.18	2.30	2.78	0.838	0.887	---	---	27
28	---	---	0.2438	6.26	8.08	1.81	2.78	2.88	0.818	0.883	---	---	28
29	---		0.2428	8.00	7.46	1.88	2.80	2.84	0.783	0.815	---	---	29
30	---		0.2418	8.24	6.88	1.77	3.15	2.85	0.782	0.850A	---	---	30
31	---		0.2588		6.88		4.47	2.42		0.8208		---	31
TOTAL	---	---	7.366	83.433	188.48	74.90	141.07	184.88	42.803	20.218	---	---	TOTAL
MEAN	---	---	0.237	2.11	6.06	2.50	4.55	5.31	1.42	0.652	---	---	MEAN
MAX	---	---	0.258	8.24	10.3	5.76	17.4	24.8	2.28	0.818	---	---	MAX
MIN	---	---	0.220	0.248	2.22	1.11	2.02	2.14	0.782	0.620	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.87
MAXIMUM DAILY, 24.8 ON AUG 4
MINIMUM DAILY, 0.2208 ON MAR 14
MAXIMUM INSTANTANEOUS,
34.4 AT 20:00 MST ON AUG 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 48 08 N
LONG 116 26 12 W
DRAINAGE AREA, 166 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	13 200
FEB	---	AUG	14 200
MAR	838	SEP	3 670
APR	5 480	OCT	1 780
MAY	16 300	NOV	---
JUN	6 470	DEC	---

TOTAL DISCHARGE, 80 700 dam³

SWIFTCURRENT CREEK AT SHERBURNE - STATION NO. 05AE033

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	4.13 B	15.9	8.43	13.3	0.042	15.0	13.6	15.6	0.010A	---	1
2	---	---	3.26 B	15.7	10.9	8.88	0.042	15.0	13.6	16.0	---	---	2
3	---	---	1.83 B	17.4	12.4	8.74	0.042	14.8	13.6	16.2	---	---	3
4	---	---	1.87 B	16.5	13.0	8.37	0.042	14.9	13.5	15.9	---	---	4
5	---	---	1.84 B	16.7	13.6	1.44	0.042	14.9	13.5	16.2	---	---	5
6	---	---	1.81 B	16.6	14.3	0.048	1.80	14.8	13.4	16.3	---	---	6
7	---	---	1.78 B	16.1	14.6	0.042	8.21	14.8	13.4	16.0	---	---	7
8	---	---	1.76 B	16.0	15.6	0.042	8.07	15.4	13.3	16.7	---	---	8
9	---	---	1.70 B	15.9	13.8	0.040	3.37	15.7	13.3	16.4	---	---	9
10	---	---	1.67 B	16.7	4.86	0.088	10.7	15.8	13.2	15.8	---	---	10
11	---	---	7.02 B	16.1	0.898	0.207	14.2	15.4	13.1	15.6	---	---	11
12	---	---	8.10	16.0	0.040	0.108	15.0	15.6	13.1	15.6	---	---	12
13	---	---	8.04	16.3	0.034	0.082	15.7	15.5	13.0	15.3	---	---	13
14	---	---	8.01	16.5	0.031	0.074	17.6	15.3	14.1	15.2	---	---	14
15	---	---	7.98	16.4	0.028	0.082	16.0	15.7	15.1	15.3	---	---	15
16	---	---	7.90	16.6	2.15	0.088	11.8	15.6	15.0	15.5	---	---	16
17	---	---	2.87	10.5	8.76	0.057	7.82	15.0	14.8	17.2	---	---	17
18	---	---	0.007	7.76	8.17	0.054	3.82	17.1	14.6	17.1	---	---	18
19	---	---	0.008	8.65	10.3	0.054	3.36	17.4	15.8	16.3	---	---	19
20	---	---	1.73	8.37	10.3	0.048	8.28	17.3	15.5	15.4	---	---	20
21	---	---	8.48	12.3	10.3	0.048	8.23	17.2	15.3	14.2	---	---	21
22	---	---	7.80	15.3	10.3	0.054	10.2	17.0	15.6	12.7	---	---	22
23	---	---	8.37	15.7	11.4	0.054	10.8	15.8	17.1	10.1	---	---	23
24	---	---	11.4	15.6	12.0	0.054	12.2	15.1	15.8	7.83	---	---	24
25	---	---	11.2	12.9	12.0	0.059	11.2	15.0	16.7	3.03	---	---	25
26	---	0.8	13.5	10.1	11.9	0.054	7.82	13.1	15.9	0.011	---	---	26
27	---	1.168	8.84	4.22	12.4	0.048	8.20	10.1	15.4	0.010	---	---	27
28	---	3.408	0.008	0.027	12.7	0.048	8.27	6.88	15.2	0.008	---	---	28
29	---		0.007	0.027	12.6	0.048	8.27	4.78	15.0	0.008	---	---	29
30	---		8.72	4.18	14.0	0.048	13.0	3.21	15.6	0.650	---	---	30
31	---		15.5		13.3		15.1	6.87		1.69		---	31
TOTAL	---	---	183.338	412.344	393.818	37.314	247.810	488.23	443.8	371.738	---	---	TOTAL
MEAN	---	---	5.27	13.7	8.48	1.24	7.99	14.8	14.8	12.0	---	---	MEAN
MAX	---	---	15.5	16.6	15.5	12.3	17.6	18.5	17.1	17.2	---	---	MAX
MIN	---	---	0.008	0.027	0.028	0.040	0.042	2.21	13.5	0.008	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.91
MAXIMUM DAILY, 18.5 ON AUG 10
MINIMUM DAILY, 0.008 ON MAR 18
MAXIMUM INSTANTANEOUS,
20.1 AT 07:30 MST ON APR 15

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 48 48 N
LONG 113 30 55 W
DRAINAGE AREA, 180 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	21 400
FEB	---	AUG	39 800
MAR	16 100	SEP	38 300
APR	35 800	OCT	32 100
MAY	25 400	NOV	---
JUN	3 220	DEC	---

TOTAL DISCHARGE, 210 000 dam³

SYLVAN LAKE AT SYLVAN LAKE - STATION NO. 05CC003

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	936.485	---	936.480	---	936.377	---	1
2	---	---	---	---	---	936.456	---	936.473	936.478	---	---	---	2
3	---	---	---	---	936.485	936.462	936.476	936.473	---	936.381	---	---	3
4	---	---	---	---	936.481	936.464	936.473	936.470	---	936.377	---	---	4
5	---	---	---	936.375	936.447	---	936.469	936.467	936.468	---	---	---	5
6	---	---	---	---	936.447	---	---	---	---	936.387	---	---	6
7	---	---	---	---	---	936.473	936.483	---	936.485	936.388	---	---	7
8	---	---	---	---	---	936.471	936.486	936.471	936.482	936.387	---	---	8
9	---	---	---	---	936.447	936.473	---	---	936.484	936.389	---	---	9
10	---	---	---	---	936.448	---	---	936.471	936.488	---	---	---	10
11	---	---	---	---	936.485	---	---	936.472	---	---	---	---	11
12	---	---	---	---	936.482	---	936.484	936.470	---	936.388	---	---	12
13	---	---	---	---	---	936.466	936.486	936.472	---	936.387	---	---	13
14	---	---	---	---	936.457	936.484	936.487	---	936.424	936.388	---	---	14
15	---	---	---	---	936.463	936.463	936.488	---	936.421	---	---	---	15
16	---	---	---	---	936.486	936.474	936.488	936.471	936.425	---	---	---	16
17	---	---	---	---	---	936.472	---	---	---	936.389	---	---	17
18	---	---	---	---	936.482	---	936.492	936.488	---	936.388	---	---	18
19	---	---	---	---	936.507	---	---	936.490	---	---	---	---	19
20	---	---	---	---	---	---	936.488	---	936.413	936.388	---	---	20
21	---	---	---	---	---	936.482	936.490	---	936.414	936.383	---	---	21
22	---	---	936.377	---	---	936.480	---	---	936.411	---	---	---	22
23	---	936.387	---	---	936.486	936.483	---	936.488	936.408	---	---	---	23
24	---	---	---	---	936.481	936.486	936.484	936.484	---	936.378	---	---	24
25	---	---	---	---	---	---	---	936.474	936.405	---	---	---	25
26	---	---	---	---	936.478	---	---	936.471	---	936.383	---	---	26
27	---	---	---	---	936.477	---	936.470	936.474	936.402	936.382	---	---	27
28	---	---	---	---	---	936.488	936.474	---	936.401	936.385	---	---	28
29	---		---	---	936.488	936.487	936.472	---	936.398	---	---	---	29
30	---		---	---	936.485	936.488	---	---	---	---	---	---	30
31	---		---		---		---	936.476		936.377		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 18 44 N
LONG 114 05 06 W

DRAINAGE AREA, 151 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TEEPEE CREEK NEAR LA CRETE - STATION NO. 07JD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	1.17	1.23	0.118	0.004	0	0	0B	---	1
2	---	---	0B	0 B	1.04	1.21	0.128	0.004	0	0	0B	---	2
3	---	---	0B	0 B	1.14	1.23	0.118	0.038	0	0	---	---	3
4	---	---	0B	0 B	1.38	1.24	0.240	0.058	0	0	---	---	4
5	---	---	0B	0 B	1.55	1.16	0.453	0.095	0	0	---	---	5
6	---	---	0B	0 B	1.54	1.11	0.324	0.088	0	0	---	---	6
7	---	---	0B	0.0018	1.46	1.02	0.218	0.048	0	0	---	---	7
8	---	---	0B	0.0088	1.36	0.987	0.189	0.042	0	0	---	---	8
9	---	---	0B	0.0148	1.33	0.788	0.163	0.042	0	0	---	---	9
10	---	---	0B	0.0288	1.14	0.887	0.114	0.037	0	0	---	---	10
11	---	---	0B	0.1118	1.04	0.672	0.088	0.033	0	0	---	---	11
12	---	---	0B	0.4448	0.978	0.474	0.072	0.028	0	0	---	---	12
13	---	---	0B	2.63 B	0.908	0.384	0.078	0.028	0	0	---	---	13
14	---	---	0B	3.05 B	0.842	0.329	0.051	0.022	0	0	---	---	14
15	---	---	0B	2.58 B	0.788	0.302	0.051	0.018	0	0	---	---	15
16	---	---	0B	1.45 B	0.884	0.282	0.038	0.013	0	0	---	---	16
17	---	---	0B	0.9138	0.863	0.231	0.028	0.008	0	0	---	---	17
18	---	---	0B	0.8938	0.818	0.176	0.088	0.008	0	0	---	---	18
19	---	---	0B	0.7718	0.587	0.158	0.078	0.003	0	0	---	---	19
20	---	---	0B	0.7828	0.587	0.123	0.011	0.003	0	0	---	---	20
21	---	---	0B	0.7108	0.758	0.106	0.015	0.002	0	0	---	---	21
22	---	---	0B	0.5738	1.06	0.131	0.015	0.002	0	0B	---	---	22
23	---	---	0B	0.8388	1.31	0.238	0.013	0.002	0	0B	---	---	23
24	---	---	0B	1.18	1.46	0.158	0.010	0.002	0	0B	---	---	24
25	---	---	0B	1.26	1.50	0.132	0.008	0.001	0	0B	---	---	25
26	---	---	0B	1.32	1.36	0.118	0.012	0.001	0	0B	---	---	26
27	---	---	0B	1.41	1.29	0.128	0.008	0.001	0	0B	---	---	27
28	---	---	0B	1.41	1.37	0.102	0.005	0.001	0	0B	---	---	28
29	---		0B	1.33	1.37	0.108	0.003	0.001	0	0B	---	---	29
30	---		0B	1.26	1.34	0.088	0.002	0	0	0B	---	---	30
31	---		0B		1.28		0.003	0		0B		---	31
TOTAL	---	---	0	24.713	34.727	14.906	3.881	0.823	0	0	---	---	TOTAL
MEAN	---	---	0	0.824	1.12	0.497	0.087	0.030	0	0	---	---	MEAN
MAX	---	---	0	3.05	1.55	1.24	0.453	0.095	0	0	---	---	MAX
MIN	---	---	0	0	0.587	0.088	0.003	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.317
MAXIMUM DAILY, 3.050 ON APR 14
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.380 AT 14:30 MST ON APR 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 08 18 N
LONG 118 14 55 W
DRAINAGE AREA, 139 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	233
FEB	---	AUG	53.8
MAR	0	SEP	0
APR	3 140	OCT	0
MAY	3 000	NOV	---
JUN	1 380	DEC	---

TOTAL DISCHARGE, 8 720 dam³

THREEHILLS CREEK BELOW RAY CREEK - STATION NO. 05CE010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0 B	0.0 B	0.086	0.032	0.028	0	0.018	0.004	0.022	---	1
2	---	---	0.0	0.0108	0.088	0.028	0.027	0	0.015	0.003	0.020A	---	2
3	---	---	0.0	0.0218	0.100	0.021	0.020	0	0.020	0.008	---	---	3
4	---	---	0.0	0.840B	0.118	0.013	0.026	0	0.025	0.018	---	---	4
5	---	---	0.0	1.88 B	0.089	0.010	0.023	0.002	0.040	0.014	---	---	5
6	---	---	0.0	1.42 B	0.088	0.028	0.021	0.004	0.050	0.018	---	---	6
7	---	---	0.0	1.24 B	0.078	0.061	0.018	0.001	0.040	0.011	---	---	7
8	---	---	0.0	1.17 B	0.146	0.039	0.018	0	0.030	0.008	---	---	8
9	---	---	0.0	1.14 B	0.088	0.038	0.017	0	0.040	0.008	---	---	9
10	---	---	0.0	1.14 B	0.093	0.034	0.018	0	0.048	0.009	---	---	10
11	---	---	0.0	1.55 B	0.042	0.034	0.021	0	0.028	0.010	---	---	11
12	---	---	0.0	3.11 B	0.042	0.027	0.084	0	0.020	0.010	---	---	12
13	---	---	0.0	3.82	0.088	0.018	0.085	0	0.012	0.010	---	---	13
14	---	---	0.0	2.80	0.088E	0.021	0.027	0	0.004	0.012	---	---	14
15	---	---	0.0	1.80	0.078	0.020	0.018	0	0.004	0.012	---	---	15
16	---	---	0.0	0.778	0.060	0.024	0.014E	0	0.008	0.015	---	---	16
17	---	---	0.0	0.642	0.087	0.044	0.012	0	0.008	0.020	---	---	17
18	---	---	0.0	0.403	0.038	0.028	0.038	0	0.008	0.032	---	---	18
19	---	---	0.0	0.343	0.100	0.035	0.028	0	0.011	0.015	---	---	19
20	---	---	0.0	0.244	0.100	0.031	0.018	0.005	0.013	0.012	---	---	20
21	---	---	0.0	0.185	0.185	0.085	0.015	0.020	0.012	0.013	---	---	21
22	---	---	0.0	0.161	0.185	0.045	0.011	0.025	0.011	0.018	---	---	22
23	---	---	0.0	0.185	0.127	0.042	0.008	0.015	0.011	0.018	---	---	23
24	---	0.0	0.0	0.177	0.088	0.032E	0.007	0.010	0.010	0.018	---	---	24
25	---	0.0	0.0	0.127	0.088	0.022	0.008	0.012	0.010	0.025	---	---	25
26	---	0.0	0.0	0.144	0.087	0.026	0.004	0.013	0.008	0.030	---	---	26
27	---	0.0	0.0	0.127	0.073	0.033	0.003	0.013	0.008	0.035	---	---	27
28	---	0.0	0.0	0.126	0.083	0.033	0.001	0.014	0.007	0.032	---	---	28
29	---	---	0.0	0.121	0.058	0.023	0	0.019	0.006	0.030	---	---	29
30	---	---	0.0	0.080	0.044	0.041	0	0.024	0.006	0.025	---	---	30
31	---	---	0.0		0.040		0	0.031		0.022	---	---	31
TOTAL	---	---	0	25.482	2.887	0.834	0.585	0.208	0.528	0.508	---	---	TOTAL
MEAN	---	---	0	0.849	0.084	0.031	0.019	0.007	0.018	0.018	---	---	MEAN
MAX	---	---	0	3.93	0.185	0.061	0.084	0.031	0.050	0.035	---	---	MAX
MIN	---	---	0	0	0.038	0.010	0	0	0.004	0.003	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.136
MAXIMUM DAILY, 3.93 ON APR 13
MINIMUM DAILY, 0.0 ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 59 10 N
LONG 113 34 04 W
DRAINAGE AREA, 187 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	80.5
FEB	---	AUG	18.0
MAR	0	SEP	45.6
APR	2 200	OCT	43.9
MAY	224	NOV	---
JUN	80.7	DEC	---

TOTAL DISCHARGE, 2 680 dam³

THREEHILLS CREEK NEAR CARBON - STATION NO. 05CE007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0 B	5.61 B	0.216	0.120	0.058	0	0.227	0.183	---	---	1
2	---	---	0.0 B	6.23 B	0.285	0.108	0.050	0	0.238	0.168	---	---	2
3	---	---	0.0 B	6.63 B	0.245	0.104	0.052	0	0.255	0.174	---	---	3
4	---	---	0.0 B	6.27 B	0.210	0.095	0.058	0	0.268	0.178	---	---	4
5	---	---	0.0 B	5.00 E	0.178	0.090	0.058	0	0.316	0.188	---	---	5
6	---	---	0.0 B	4.00 B	0.150	0.083	0.047	0	0.315	0.183	---	---	6
7	---	---	0.0 B	3.17 A	0.132	0.089	0.044	0	0.287	0.185	---	---	7
8	---	---	0.0 B	2.84	0.123	0.085	0.045	0	0.287	0.202	---	---	8
9	---	---	0.0 B	4.58	0.120	0.084	0.043	0	0.288	0.200	---	---	9
10	---	---	0.0 B	6.37	0.111	0.083	0.049	0	0.274	0.182	---	---	10
11	---	---	0.0 B	5.78	0.110	0.089	0.057	0	0.242	0.205	---	---	11
12	---	---	0.0 B	4.85	0.108	0.078	0.050	0	0.217	0.201	---	---	12
13	---	---	0.0 B	3.88	0.094	0.067	0.035	0	0.204	0.201	---	---	13
14	---	---	0.0 B	3.30	0.104	0.058	0.035	0	0.207	0.203	---	---	14
15	---	---	0.0 B	3.00	0.107	0.045	0.023	0	0.191	0.205	---	---	15
16	---	---	0.0 B	3.27	0.114	0.050	0.018	0.101	0.170	0.200	---	---	16
17	---	---	0.0 B	3.66	0.111	0.050	0.017	0.140	0.187	0.188	---	---	17
18	---	---	0.0 B	3.40	0.108	0.054	0.014	0.188	0.170	0.187	---	---	18
19	---	---	0.0 B	2.68	0.108	0.047	0.008	0.203	0.187	0.201	---	---	19
20	---	0.0	0.0 B	2.13	0.124	0.058	0.008	0.233	0.187	0.198	---	---	20
21	---	0.0	0.0 B	1.72	0.117	0.081	0.012	0.229	0.188	0.188	---	---	21
22	---	0.0	0.0028	1.31	0.118	0.050	0.003	0.259	0.175	0.200	---	---	22
23	---	0.0	0.0018	1.01	0.121	0.043	0.003	0.238	0.205	0.201	---	---	23
24	---	0.0	0.0108	0.848	0.128	0.051	0.002	0.234	0.188	0.187	---	---	24
25	---	0.0	0.0508	0.730	0.173	0.048	0.013	0.241	0.175	0.278	---	---	25
26	---	0.0	0.1008	0.642	0.207	0.221	0.008	0.227	0.189	0.384	---	---	26
27	---	0.0	0.2008	0.564	0.182	4.34	0.001	0.238	0.200	0.384	---	---	27
28	---	0.0	0.3488	0.483	0.182	0.188	0	0.243	0.181	0.327	---	---	28
29	---	---	0.4628	0.421	0.148	0.087	0	0.238	0.173	0.248	---	---	29
30	---	---	1.78 B	0.383	0.140	0.083	0	0.230	0.165	0.225	---	---	30
31	---	---	4.53 B		0.128		0	0.242		0.208A	---	---	31
TOTAL	---	---	7.453	84.031	4.878	5.722	0.793	3.483	5.494	5.709	---	---	TOTAL
MEAN	---	---	0.240	3.18	0.148	0.224	0.026	0.112	0.218	0.218	---	---	MEAN
MAX	---	---	4.53	8.63	0.318	4.34	0.087	0.259	0.316	0.384	---	---	MAX
MIN	---	---	0	0.383	0.094	0.043	0	0	0.165	0.183	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.535
MAXIMUM DAILY, 8.630 ON APR 3
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
19.3 AT 00:34 MST ON JUN 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 33 53 N
LONG 113 04 18 W
DRAINAGE AREA, 1 070 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1971

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	98.4
FEB	---	AUG	299
MAR	644	SEP	881
APR	5 300	OCT	680
MAY	395	NOV	---
JUN	881	DEC	---

TOTAL DISCHARGE, 11 300 dam³

THREEPOINT CREEK NEAR MILLARVILLE - STATION NO. 05BL013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0038	0.0278	4.05	2.32	0.800	0.088	0.851	0.518	0.1988	---	1
2	---	---	0.0038	0.0278	4.87	2.44	0.738	0.122	0.843	0.532	0.2228	---	2
3	---	---	0.0038	0.0278	4.42	2.48	0.680	0.128	1.07	0.514	---	---	3
4	---	---	0.0048	0.0278	4.18	2.40	0.802	0.110	1.24	0.484	---	---	4
5	---	---	0.0088	0.0278	3.90	2.28	0.844	0.108	1.38	0.470	---	---	5
6	---	---	0.0088	0.0288	4.83	2.12	0.488	0.108	1.87	0.481	---	---	6
7	---	---	0.0078	0.2888	5.07	1.98	0.481	0.087	1.52	0.471	---	---	7
8	---	---	0.0078	0.7078	5.68	1.88	0.428	0.088	1.48	0.488	---	---	8
9	---	---	0.0088	1.08 B	5.24	2.08	0.400	0.080	1.38	0.440	---	---	9
10	---	---	0.0088	0.8908	5.00	2.07	0.547	0.080	1.44	0.438	---	---	10
11	---	---	0.0078	3.18 B	4.48	2.08	0.821	0.088	1.43	0.448	---	---	11
12	---	---	0.0078	7.13 B	4.08	1.81	0.705	0.081	1.38	0.444	---	---	12
13	---	---	0.0078	8.80 B	3.48	1.77	0.588	0.081	1.24	0.452	---	---	13
14	---	---	0.0088	8.10	3.03	1.84	0.501	0.048	1.13	0.433	---	---	14
15	---	---	0.0088	8.25	2.78	1.81	0.434	0.048	1.04	0.418	---	---	15
16	---	---	0.0058	4.58	2.80	1.68	0.428	0.048	0.888	0.422	---	---	16
17	---	---	0.0058	2.83	2.48	1.58	0.487	0.048	0.888	0.414	---	---	17
18	---	---	0.0058	3.14	2.28	1.70	0.448	0.048	1.03	0.388	---	---	18
19	---	---	0.0058	3.87	2.08	1.48	0.378	0.082	0.888	0.421	---	---	19
20	---	---	0.0088	3.78	1.88	1.38	0.347	0.108	0.812	0.414	---	---	20
21	---	---	0.0088	4.74	1.74	1.23	0.308	0.132	0.808	0.400	---	---	21
22	---	---	0.0078	5.78	1.80	1.13	0.283	0.118	0.748	0.387	---	---	22
23	---	0.0058	0.0088	5.07	1.61	1.22	0.231	0.101	0.673	0.383	---	---	23
24	---	0.0058	0.0088	3.38	1.58	1.18	0.204	0.083	0.628	0.378	---	---	24
25	---	0.0048	0.0108	2.88	1.70	1.37	0.178	0.078	0.608	0.388	---	---	25
26	---	0.0048	0.0188	2.48	1.74	1.38	0.158	0.088	0.582	0.388	---	---	26
27	---	0.0038	0.0208	2.48	1.67	1.18	0.138	0.104	0.554	0.317	---	---	27
28	---	0.0038	0.0288	2.82	1.81	1.08	0.124	0.488	0.512	0.317	---	---	28
29	---		0.0288	3.03	1.88	0.957	0.111	0.730	0.484	0.307	---	---	29
30	---		0.0278	3.48	1.88	0.848	0.103	0.837	0.492	0.298	---	---	30
31	---		0.0278		2.18		0.088	0.883		0.2848		---	31
TOTAL	---	---	0.291	80.487	97.80	50.588	12.648	4.719	39.422	12.603	---	---	TOTAL
MEAN	---	---	0.009	3.02	3.18	1.88	0.408	0.182	0.881	0.413	---	---	MEAN
MAX	---	---	0.027	8.25	8.07	2.48	0.821	0.730	1.87	0.532	---	---	MAX
MIN	---	---	0.003	0.027	1.80	0.848	0.088	0.048	0.492	0.284	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.22
MAXIMUM DAILY, 8.25 ON APR 15
MINIMUM DAILY, 0.0038 ON MAR 1
MAXIMUM INSTANTANEOUS,
14.0 AT 23:47 MST ON APR 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 48 14 N
LONG 114 16 39 W
DRAINAGE AREA, 867 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 090
FEB	---	AUG	608
MAR	35.1	SEP	2 840
APR	7 820	OCT	1 110
MAY	8 420	NOV	---
JUN	4 370	DEC	---

TOTAL DISCHARGE, 35 800 dam³

TINDASTOLL CREEK NEAR MARKERVILLE - STATION NO. 05CC012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.098	0.013	0.040	0.002	0.017	0.002	0.029A	---	1
2	---	---	0B	0 B	0.112	0.008	0.018	0.008	0.018	0.002	---	---	2
3	---	---	0B	0 B	0.088	0.008	0.008	0.008	0.034	0.002	---	---	3
4	---	---	0B	0 B	0.047	0.008	0.008	0.004	0.047	0.003	---	---	4
5	---	---	0B	0.0058	0.078	0.004	0.012	0.014	0.038	0.033	---	---	5
6	---	---	0B	0.0108	0.088	0.005	0.011	0.042	0.048	0.007	---	---	6
7	---	---	0B	0.1108	0.048	0.007	0.004	0.047	0.048	0.005	---	---	7
8	---	---	0B	2.30 B	0.034	0.008	0.002	0.036	0.028	0.007	---	---	8
9	---	---	0B	3.84	0.040	0.023	0.001	0.085	0.021	0.007	---	---	9
10	---	---	0B	1.87	0.041	0.020	0.003	0.025	0.017	0.008	---	---	10
11	---	---	0B	1.87	0.032	0.020	0.018	0.011	0.008	0.010	---	---	11
12	---	---	0B	2.32	0.030	0.020	0.084	0.008	0.008	0.008A	---	---	12
13	---	---	0B	2.80	0.030	0.030	0.088	0.005	0.008	0.012E	---	---	13
14	---	---	0B	2.84	0.013	0.010	0.050	0.003	0.008	0.018E	---	---	14
15	---	---	0B	2.00	0.008	0.007	0.038	0.003	0.003	0.019A	---	---	15
16	---	---	0B	1.25	0.008	0.024	0.030	0.008	0.003	0.023	---	---	16
17	---	---	0B	0.688	0.008	0.034	0.022	0.024	0.003	0.030	---	---	17
18	---	---	0B	0.608	0.010	0.038	0.011	0.088	0.003	0.032	---	---	18
19	---	---	0B	0.434	0.031	0.053	0.004	0.074	0.003	0.050	---	---	19
20	---	---	0B	0.333	0.038	0.087	0.003	0.088	0.003	0.048	---	---	20
21	---	---	0B	0.284	0.088	0.030	0.002	0.084	0.003	0.038	---	---	21
22	---	---	0B	0.218	0.088	0.018	0.002	0.088	0.003	0.031	---	---	22
23	---	0B	0B	0.313	0.088	0.008	0.001	0.045	0.003	0.027	---	---	23
24	---	0B	0B	0.338	0.040	0.007	0.001	0.028	0.003	0.034	---	---	24
25	---	0B	0B	0.288	0.040	0.011A	0.001	0.082	0.002	0.029	---	---	25
26	---	0B	0B	0.248	0.037	0.018E	0.001	0.080	0.002	0.033	---	---	26
27	---	0B	0B	0.188	0.038	0.019A	0.011	0.038	0.038	0.038	---	---	27
28	---	0B	0B	0.134	0.033	0.032	0.005	0.038	0.008	0.080	---	---	28
29	---		0B	0.108	0.038	0.034	0.002	0.033	0.004	0.058	---	---	29
30	---		0B	0.082	0.033	0.029	0.001	0.013	0.003	0.038	---	---	30
31	---		0B		0.013		0.001	0.011		0.034		---	31
TOTAL	---	---	0	24.738	1.318	0.585	0.442	1.034	0.431	0.717	---	---	TOTAL
MEAN	---	---	0	0.824	0.043	0.020	0.014	0.033	0.014	0.023	---	---	MEAN
MAX	---	---	0	3.84	0.112	0.057	0.088	0.088	0.048	0.080	---	---	MAX
MIN	---	---	0	0	0.008	0.004	0.001	0.002	0.002	0.002	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.118
MAXIMUM DAILY, 3.84 ON APR 9
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
4.92 AT 03:11 MST ON APR 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 06 52 N
LONG 114 07 10 W
DRAINAGE AREA, 142 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	38.2
FEB	---	AUG	89.3
MAR	0	SEP	36.4
APR	2 140	OCT	81.9
MAY	114	NOV	---
JUN	50.8	DEC	---

TOTAL DISCHARGE, 2 530 dam³

TODD CREEK AT ELTON'S RANCH - STATION NO. 05AA008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.3118	0.528	0.837	0.402	0.180	0.188	0.087	0.1788	---	1
2	---	---	---	0.3128	0.671	0.752	0.388	0.221	0.220	0.128	0.1748	---	2
3	---	---	---	0.3508	1.48	0.690	0.362	0.188	0.218	0.132	---	---	3
4	---	---	---	0.4008	0.878	0.678	0.344	0.142	0.188	0.128	---	---	4
5	---	---	---	0.4508	0.723	0.885	0.324	0.114	0.171	0.124	---	---	5
6	---	---	---	0.5218	0.881	0.648	0.318	0.123	0.227	0.138	---	---	6
7	---	---	---	1.04 B	0.880	0.887	0.291	0.113	0.212	0.133	---	---	7
8	---	---	---	0.7208	0.818	0.708	0.270	0.116	0.180	0.138	---	---	8
9	---	---	---	0.5828	0.858	0.782	0.261	0.098	0.161	0.127	---	---	9
10	---	---	---	0.4588	0.827	0.844	0.380	0.088	0.188	0.128	---	---	10
11	---	---	---	0.3508	0.808	1.13	0.822	0.081	0.203	0.131	---	---	11
12	---	---	---	0.431	0.483	0.863	0.413	0.076	0.182	0.188	---	---	12
13	---	---	---	0.888	0.802	0.858	0.418	0.062	0.184	0.188	---	---	13
14	---	---	---	0.831	0.808	0.781	0.778	0.081	0.141	0.257	---	---	14
15	---	---	---	1.24	0.808	0.748	0.842	0.082	0.113	0.282	---	---	15
16	---	---	---	1.08	0.488	0.888	0.487	0.071	0.100	0.233	---	---	16
17	---	---	---	0.817	0.478	0.888	0.434	0.078	0.088	0.248	---	---	17
18	---	---	---	0.821	0.471	0.829	0.382	0.080	0.118	0.177	---	---	18
19	---	---	---	0.848	0.448	0.888	0.328	0.088	0.188	0.141	---	---	19
20	---	---	0.1878	0.884	0.438	0.810	0.323	0.084	0.188	0.141	---	---	20
21	---	---	0.2148	0.788	0.418	0.880	0.322	0.083	0.130	0.181	---	---	21
22	---	---	0.2338	0.788	0.384	0.821	0.273	0.071	0.113	0.234	---	---	22
23	---	---	0.2648	0.703	0.438	0.487	0.264	0.069	0.132	0.182	---	---	23
24	---	---	0.2808	0.634	0.831	0.822	0.287	0.081	0.108	0.187	---	---	24
25	---	---	0.3008	0.448	0.837	1.08	0.237	0.183	0.108	0.183	---	---	25
26	---	---	0.3108	0.488	0.813	0.858	0.243	0.188	0.100	0.138	---	---	26
27	---	---	0.3198	0.504	0.886	0.803	0.281	0.408	0.081	0.181	---	---	27
28	---	---	0.3148	0.485	0.781	0.801	0.238	0.495	0.088	0.181	---	---	28
29	---		0.3138	0.828	0.784	0.487	0.219	0.381	0.084	0.1348	---	---	29
30	---		0.3128	0.887	1.12	0.440	0.202	0.281	0.081	0.1448	---	---	30
31	---		0.3118		1.18		0.183	0.227		0.1488		---	31
TOTAL	---	---	---	18.040	20.154	21.302	10.819	4.702	4.405	5.057	---	---	TOTAL
MEAN	---	---	---	0.581	0.650	0.707	0.349	0.152	0.147	0.183	---	---	MEAN
MAX	---	---	---	1.24	1.48	1.13	0.778	0.495	0.227	0.282	---	---	MAX
MIN	---	---	---	0.311	0.384	0.440	0.183	0.062	0.081	0.087	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.384
MAXIMUM DAILY, 1.48 ON MAY 3
MINIMUM DAILY, 0.062 ON AUG 13
MAXIMUM INSTANTANEOUS,
1.97 AT 23:15 MST ON MAY 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 39 24 N
LONG 114 07 32 W
DRAINAGE AREA, 144 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	935
FEB	---	AUG	408
MAR	---	SEP	381
APR	1 580	OCT	437
MAY	1 740	NOV	---
JUN	1 830	DEC	---

TOTAL DISCHARGE, 7 290 dam³

TODD CREEK NEAR HIGHWAY NO.22 - STATION NO. 05AA909

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.821	0.880	0.437	0.258	0.205	0.188	---	---	1
2	---	---	---	---	3.20	0.801	0.404	0.282	0.258	0.174	---	---	2
3	---	---	---	---	1.87	0.481	0.388	0.241	0.205	0.189	---	---	3
4	---	---	---	---	1.04	0.811	0.383	0.226	0.188	0.182	---	---	4
5	---	---	---	---	0.821	0.830	0.382	0.228	0.218	0.189	---	---	5
6	---	---	---	---	0.738	0.882	0.320	0.233	0.248	0.188	---	---	6
7	---	---	---	---	0.712	0.886	0.282	0.226	0.213	0.169	---	---	7
8	---	---	---	---	0.822	0.802	0.281	0.211	0.212	0.143	---	---	8
9	---	---	---	---	0.634	0.870	0.274	0.203	0.183	0.138	---	---	9
10	---	---	---	---	0.482	1.81	0.747	0.219	0.241	0.139	---	---	10
11	---	---	---	---	0.484	1.88	0.832	0.192	0.213	0.178	---	---	11
12	---	---	---	---	0.423	1.18	0.408	0.178	0.207	0.208	---	---	12
13	---	---	---	---	0.418	1.07	0.884	0.185	0.171	0.380	---	---	13
14	---	---	---	---	0.423	0.884	1.38	0.188	0.148	0.411	---	---	14
15	---	---	---	---	0.388	0.888	0.887	0.188	0.137	0.384	---	---	15
16	---	---	---	---	0.380	0.837	0.830	0.183	0.128	0.372	---	---	16
17	---	---	---	---	0.330	0.788	0.488	0.188	0.131	0.208	---	---	17
18	---	---	---	0.881	0.288	0.712	0.411	0.187	0.182	0.248	---	---	18
19	---	---	---	1.14	0.283	0.718	0.378	0.181	0.183	0.188	---	---	19
20	---	---	---	1.38	0.228	0.708	0.388	0.188	0.147	0.181	---	---	20
21	---	---	---	1.31	0.183	0.818	0.338	0.128	0.144	0.333	---	---	21
22	---	---	---	1.18	0.186	0.881	0.288	0.120	0.173	0.251	---	---	22
23	---	---	---	0.888	0.308	0.814	0.297	0.122	0.128	0.208	---	---	23
24	---	---	---	0.818	0.833	0.857	0.282	0.182	0.124	0.188	---	---	24
25	---	---	---	0.484	0.471	2.17	0.282	0.232	0.138	0.188	---	---	25
26	---	---	---	0.801	0.721	0.838	0.307	0.478	0.122	0.251	---	---	26
27	---	---	---	0.854	0.408	0.888	0.303	0.724	0.111	0.188	---	---	27
28	---	---	---	0.477	0.888	0.848	0.288	0.813	0.128	0.189	---	---	28
29	---		---	0.781	0.873	0.823	0.270	0.438	0.125	0.188	---	---	29
30	---		---	0.704	1.38	0.487	0.288	0.278	0.130	0.222	---	---	30
31	---		---		1.28		0.280	0.280		0.180A		---	31
TOTAL	---	---	---	---	21.043	24.388	13.111	7.822	5.078	5.551	---	---	TOTAL
MEAN	---	---	---	---	0.678	0.813	0.423	0.248	0.188	0.211	---	---	MEAN
MAX	---	---	---	---	3.20	2.17	1.38	0.724	0.258	0.411	---	---	MAX
MIN	---	---	---	---	0.186	0.481	0.280	0.120	0.111	0.139	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.423
MAXIMUM DAILY, 3.20 ON MAY 2
MINIMUM DAILY, 0.111 ON SEP 27
MAXIMUM INSTANTANEOUS,
5.40 AT 17:04 MST ON MAY 2

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 45 40 N
LONG 114 14 00 W
DRAINAGE AREA, 73.6 km²
A - MANUAL GAUGE

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 130
FEB	---	AUG	669
MAR	---	SEP	438
APR	---	OCT	666
MAY	1 820	NOV	---
JUN	2 110	DEC	---

TOTAL DISCHARGE, 6 720 dam³

TOMAHAWK CREEK NEAR TOMAHAWK - STATION NO. 05BE009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0028	0.5388	0.183	0.154	0.282	0.160	0.270	0.183	0.1788	---	1
2	---	---	0.0028	0.8008	0.183	0.121	0.211	3.66	0.238	0.182	---	---	2
3	---	---	0.0038	0.9448	0.168	0.101	0.173	8.78	0.248	0.146	---	---	3
4	---	---	0.0088	1.19 B	0.158	0.091	0.117	5.20	0.230	0.188	---	---	4
5	---	---	0.0118	1.50 B	0.154	0.091	0.154	3.86	0.214	0.182	---	---	5
6	---	---	0.0248	1.30 B	0.167	0.148	0.098	2.54	0.180	0.160	---	---	6
7	---	---	0.0388	0.9188	0.183	0.163	0.071	1.94	0.146	0.188	---	---	7
8	---	---	0.0328	0.8568	0.187	0.174	7.84	1.85	0.121	0.167	---	---	8
9	---	---	0.0178	0.7938	0.183	0.863	12.8	1.46	0.108	0.167	---	---	9
10	---	---	0.0158	1.07 B	0.201	1.58	8.05	1.41	0.114	0.161	---	---	10
11	---	---	0.0138	1.80 B	0.218	1.23	6.82	1.26	0.087	0.220	---	---	11
12	---	---	0.0148	1.99 B	0.212	0.895	4.98	0.976	0.081	0.188	---	---	12
13	---	---	0.0168	1.58 B	0.236	0.623	3.36	0.734	0.086	0.186	---	---	13
14	---	---	0.0178	0.9858	0.248	0.333	2.38	0.584	0.109	0.191	---	---	14
15	---	---	0.0168	1.08 B	0.282	0.358	1.78	0.491	0.124	0.186	---	---	15
16	---	---	0.0178	0.8888	0.267	0.323	1.73	0.884	0.188	0.173	---	---	16
17	---	---	0.0198	0.7848	0.280	0.262	1.58	1.08	0.200	0.186	---	---	17
18	---	---	0.0258	0.701	0.281	0.206	1.18	1.13	0.182	0.212	---	---	18
19	---	---	0.0278	0.588	1.10	0.168	0.888	0.782	0.188	0.182	---	---	19
20	---	---	0.0278	0.448	3.97	0.180	0.700	0.588	0.197	0.148	---	---	20
21	---	---	0.0248	0.414	2.84	0.170	0.883	0.487	0.188	0.187	---	---	21
22	---	---	0.0198	0.387	1.78	0.147	0.585	0.412	0.192	0.167	---	---	22
23	---	---	0.0308	0.323	1.18	0.158	0.404	0.367	0.188	0.194	---	---	23
24	---	---	0.0388	0.288	1.17	0.122	0.402	0.298	0.157	0.134	---	---	24
25	---	---	0.0118	0.285	0.941	0.133	0.388	0.281	0.133	0.298	---	---	25
26	---	---	0.0088	0.213	0.594	0.118	0.315	0.247	0.137	0.252	---	---	26
27	---	---	0.0068	0.230	0.462	1.44	0.281	0.246	0.136	0.231	---	---	27
28	---	0.0028	0.0458	0.218	0.364	1.82	0.261	0.238	0.142	0.2308	---	---	28
29	---		0.0588	0.223	0.288	1.04	0.332	0.284	0.178	0.1888	---	---	29
30	---		0.1788	0.231	0.241	0.487	0.323	0.248	0.182	0.1878	---	---	30
31	---		0.4768		0.217		0.182	0.233		0.1648		---	31
TOTAL	---	---	1.208	23.430	19.137	13.116	81.890	41.347	4.884	5.746	---	---	TOTAL
MEAN	---	---	0.039	0.781	0.617	0.437	2.00	1.33	0.163	0.185	---	---	MEAN
MAX	---	---	0.475	1.99	3.97	1.82	12.8	8.78	0.270	0.298	---	---	MAX
MIN	---	---	0.002	0.213	0.183	0.091	0.071	0.180	0.087	0.134	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.887
MAXIMUM DAILY, 13.6 ON JUL 9
MINIMUM DAILY, 0.0028 ON MAR 1
MAXIMUM INSTANTANEOUS,
18.2 AT 02:03 MST ON JUL 9

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 24 21 N
LONG 114 45 41 W
DRAINAGE AREA, 105 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL 5 350	
FEB	---	AUG 3 570	
MAR	104	SEP 423	
APR 2 020		OCT 486	
MAY 1 650		NOV ---	
JUN 1 130		DEC ---	

TOTAL DISCHARGE, 14 700 dam³

TOUCH CREEK NEAR BEAZER - STATION NO. 05AE039

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.481	0.877	0.322	0.081	0.155	0.122	---	---	1
2	---	---	---	---	0.901	0.800	0.284	0.058	0.142	0.136	---	---	2
3	---	---	---	---	0.825	0.698	0.248	0.053	0.131	0.180	---	---	3
4	---	---	---	---	0.766	0.642	0.220	0.047	0.110	0.182	---	---	4
5	---	---	---	0.043A	0.888	0.539	0.180	0.048	---	0.163	---	---	5
6	---	---	---	---	0.788	0.488	0.177	0.068	---	0.151	---	---	6
7	---	---	---	---	0.827	0.441	0.158	0.061	---	0.148	---	---	7
8	---	---	---	---	0.877	0.419	0.150	0.041	---	0.148	---	---	8
9	---	---	---	---	0.858	0.383	0.138	0.037	---	0.147	---	---	9
10	---	---	---	---	0.820	0.748	0.149	0.040	---	0.147	---	---	10
11	---	---	---	---	0.585	4.49	0.158	0.034	---	0.148	---	---	11
12	---	---	---	---	0.478	2.44	0.133	0.026	---	0.144	---	---	12
13	---	---	---	---	0.423	1.48	0.277	0.023	---	0.136	---	---	13
14	---	---	---	---	0.388	1.08	0.847	0.023	---	0.118	---	---	14
15	---	---	---	---	0.368	0.820	0.302	0.022	---	0.102	---	---	15
16	---	---	---	---	0.340	0.782	0.288	0.021	---	0.088	---	---	16
17	---	---	---	---	0.324	0.880	0.203	0.021	---	0.081	---	---	17
18	---	---	---	0.181A	0.306	0.588	0.178	0.020	---	0.082	---	---	18
19	---	---	---	0.378	0.288	0.538	0.154	0.020	---	0.085	---	---	19
20	---	---	---	0.488	0.287	0.485	0.141	0.019	---	0.084	---	---	20
21	---	---	---	0.583	0.248	0.447	0.138	0.018	---	0.078	---	---	21
22	---	---	---	0.588	0.238	0.423	0.110	0.017	---	0.077	---	---	22
23	---	---	---	0.528	0.228	0.436	0.084	0.018	---	0.072	---	---	23
24	---	---	---	0.424	0.217	0.481	0.074	0.081	---	0.071	---	---	24
25	---	---	---	0.372	0.211	0.888	0.088	0.810	---	0.070	---	---	25
26	---	---	---	0.377	0.211	0.887	0.087	0.435	---	0.072	---	---	26
27	---	---	---	0.371	0.218	0.817	0.088	0.282	0.087A	0.077	---	---	27
28	---	---	---	0.344	0.310	0.432	0.078	0.287	0.111	0.082	---	---	28
29	---		---	0.370	0.312	0.402	0.088	0.237	0.113	0.077	---	---	29
30	---		---	0.434	0.436	0.384	0.086	0.187	0.102	0.078	---	---	30
31	---		---		0.857		0.083	0.188		0.072		---	31
TOTAL	---	---	---	---	14.439	24.871	5.340	2.986	---	3.349	---	---	TOTAL
MEAN	---	---	---	---	0.466	0.822	0.172	0.087	---	0.108	---	---	MEAN
MAX	---	---	---	---	0.901	4.49	0.847	0.810	---	0.163	---	---	MAX
MIN	---	---	---	---	0.211	0.364	0.083	0.017	---	0.070	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 4.49 ON JUN 11

MAXIMUM INSTANTANEOUS,
5.48 AT 06:02 MST ON JUN 11

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 04 00 N
LONG 113 32 00 W
DRAINAGE AREA, 28.6 km²
A - MANUAL GAUGE

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL 481	
FEB	---	AUG 259	
MAR	---	SEP ---	
APR	---	OCT 289	
MAY 1 250		NOV ---	
JUN 2 130		DEC ---	

TRAP CREEK NEAR LONGVIEW - STATION NO. 05BL027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.85	3.15	1.15	0.672	1.14	0.829	0.2338	---	1
2	---	---	---	---	2.10	3.07	1.09	0.683	1.04	0.775	---	---	2
3	---	---	---	---	1.74	2.90	1.04	0.648	1.07	0.780	---	---	3
4	---	---	---	---	1.74	2.73	1.01	0.638	0.978	0.746	---	---	4
5	---	---	---	---	1.85	3.12	0.987	0.788	1.11	0.737	---	---	5
6	---	---	---	---	3.08	3.47	0.915	0.789	1.10	0.735	---	---	6
7	---	---	---	---	3.72	3.28	0.884	0.808	1.18	0.704	---	---	7
8	---	---	---	---	3.41	3.02	0.855	0.865	1.22	0.688	---	---	8
9	---	---	---	---	3.38	2.97	0.842	0.811	1.28	0.672	---	---	9
10	---	---	---	---	3.71	2.90	1.10	0.741	1.31	0.677	---	---	10
11	---	---	---	---	3.73	2.79	1.08	0.703	1.36	0.668	---	---	11
12	---	---	---	---	2.87	2.69	0.895	0.675	1.38	0.668	---	---	12
13	---	---	---	---	2.61	2.65	0.973	0.714	1.38	0.655	---	---	13
14	---	---	---	---	2.33	2.58	0.947	0.882	1.34	0.655	---	---	14
15	---	---	---	---	2.12	2.41	0.915	0.839	1.30	0.630	---	---	15
16	---	---	---	---	2.11	2.48	0.933	0.783	1.28	0.616	---	---	16
17	---	---	---	---	2.16	2.37	0.890	0.855	1.26	0.6149	---	---	17
18	---	---	---	---	2.09	2.13	0.827	0.805	1.19	0.612	---	---	18
19	---	---	---	---	1.85	1.96	0.789	0.811	1.14	0.606	---	---	19
20	---	---	---	0.7828	1.63	1.78	0.865	0.788	1.08	0.606	---	---	20
21	---	---	---	1.00 B	1.51	1.62	0.854	0.748	1.03	0.603	---	---	21
22	---	---	---	1.37	1.42	1.50	0.805	0.717	0.987	0.588	---	---	22
23	---	---	---	1.18	1.46	1.44	0.782	0.712	0.950	0.585	---	---	23
24	---	---	---	0.965	1.38	1.38	0.752	0.731	0.926	0.578	---	---	24
25	---	---	---	0.868	1.30	1.37	0.734	0.741	0.905	0.567	---	---	25
26	---	---	---	0.803	1.22	1.35	0.721	0.845	0.878	0.5408	---	---	26
27	---	---	---	0.723	1.25	1.35	0.708	1.16	0.847	0.4808	---	---	27
28	---	---	---	0.683	1.21	1.26	0.699	1.65	0.820	0.4408	---	---	28
29	---		---	0.733	1.21	1.19	0.674	1.59	0.808	0.4808	---	---	29
30	---		---	0.881	1.32	1.17	0.880	1.41	0.828	0.4808	---	---	30
31	---		---		2.07		0.842	1.25		0.3508		---	31
TOTAL	---	---	---	---	65.84	67.86	27.116	28.437	33.104	19.337	---	---	TOTAL
MEAN	---	---	---	---	2.12	2.26	0.875	0.863	1.10	0.624	---	---	MEAN
MAX	---	---	---	---	3.73	3.47	1.15	1.65	1.36	0.829	---	---	MAX
MIN	---	---	---	---	1.21	1.17	0.842	0.638	0.808	0.350	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.30
MAXIMUM DAILY, 3.73 ON MAY 11
MINIMUM DAILY, 0.3508 ON OCT 31
MAXIMUM INSTANTANEOUS,
4.27 AT 23:21 MST ON MAY 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 28 36 N
LONG 114 28 28 W
DRAINAGE AREA, 137 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 340
FEB	---	AUG	2 280
MAR	---	SEP	2 660
APR	---	OCT	1 670
MAY	5 670	NOV	---
JUN	5 660	DEC	---

TOTAL DISCHARGE, 20 700 dam³

TROUT CREEK NEAR CRANUM - STATION NO. 05AB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.241	0.192	0.062	0	B	0	0	---	---	1
2	---	---	0 B	0.248	0.214	0.042	0	A	0	0	---	---	2
3	---	---	0 B	0.203	0.248	0.048	0	0	0	0	---	---	3
4	---	---	0 B	0.182	0.229	0.044	0	0	0	0	---	---	4
5	---	---	0 B	0.231	0.195	0.034	0	0	0	0	---	---	5
6	---	---	0 B	0.302	0.148	0.023	0	0	0	0	---	---	6
7	---	---	0 B	0.334	0.136	0.004	0	0	0	0	---	---	7
8	---	---	0 B	0.327	0.138	0	0	0	0	0	---	---	8
9	---	---	0 B	0.248	0.118	0.003	0	0	0	0	---	---	9
10	---	---	0 B	0.198	0.101	0.092	0	0	0	0	---	---	10
11	---	---	0 B	0.177	0.084	0.124	0	0	0	0	---	---	11
12	---	---	0 B	0.187	0.058	0.132	0	0	0	0	---	---	12
13	---	---	0 B	0.237	0.044	0.094	0	0	0	0	---	---	13
14	---	---	0 B	0.255	0.028	0.049	0	0	0	0	---	---	14
15	---	---	0 B	0.294	0.084	0.044	0.008	0	0	0	---	---	15
16	---	---	0 B	0.332	0.018	0.038	0.020	0	0	0	---	---	16
17	---	---	0 B	0.285	0.004	0.027	0.030	0	0	0	---	---	17
18	---	---	0 B	0.201	0.008	0.012	0.020	0	0	0	---	---	18
19	---	---	0 B	0.179	0.004	0.013	0.001	0	0	0	---	---	19
20	---	---	0 B	0.234	0	0.001	0	0	0	0	---	---	20
21	---	---	0 B	0.271	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0.275	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0.248	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0.224	0	0.005	0	0	0	0	---	---	24
25	---	---	0.3808	0.183	0	0.026	0	0	0	0	---	---	25
26	---	---	0.2558	0.244	0.024	B.032	B	0	0	0	---	---	26
27	---	---	0.2568	0.307	0.026	0.031	B	0	0	0	---	---	27
28	---	08	0.2168	0.284	0.100	B.018	B	0	0	0	---	---	28
29	---		0.2288	0.228	0.117	B.014	B	0	0	0	---	---	29
30	---		0.2068	0.193	0.113	B	B	0	0	0	---	---	30
31	---		0.2488		0.088		B	0		0A		---	31
TOTAL	---	---	1.710	7.342	2.500	1.007	0.079	0	0	0	---	---	TOTAL
MEAN	---	---	0.055	0.245	0.081	0.034	0.003	0	0	0	---	---	MEAN
MAX	---	---	0.300	0.334	0.248	0.132	0.030	0	0	0	---	---	MAX
MIN	---	---	0	0.177	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.082
MAXIMUM DAILY, 0.334 ON APR 7
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.5118 AT 09:40 MST ON MAR 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 55 35 N
LONG 113 41 07 W
DRAINAGE AREA, 460 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	6.83
FEB	---	AUG	0
MAR	148	SEP	0
APR	634	OCT	0
MAY	216	NOV	---
JUN	87.0	DEC	---

TOTAL DISCHARGE, 1 090 dam³

TWELVE MILE CREEK NEAR CECIL - STATION NO. 05BN002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.183	4.41	4.34	5.30	1.38	3.85	0.018	---	1
2	---	---	---	---	0.188	4.22	5.30	4.85	0.049	3.45	0.018	---	2
3	---	---	---	---	0.146	3.88	5.24	7.43	0.017	3.27	0.018	---	3
4	---	---	---	---	3.85	2.98	5.43	5.98	0.083	3.23	0.021	---	4
5	---	---	---	---	5.08	3.32	5.13	6.17	1.81	3.23	0.017	---	5
6	---	---	---	---	0.811	4.12	4.33	5.33	1.83	3.21	0.018A	---	6
7	---	---	---	---	0.030	3.82	4.23	4.82	1.38	3.33	---	---	7
8	---	---	---	---	0.023	3.58	3.82	4.66	1.25	3.48	---	---	8
9	---	---	---	---	0.023	3.98	4.30	4.78	0.810	3.27	---	---	9
10	---	---	---	---	0.027	4.81	4.24	4.64	0.990	2.84	---	---	10
11	---	---	---	---	0.027	5.81	4.16	4.60	0.823	2.25	---	---	11
12	---	---	---	---	0.832	5.42	4.41	4.67	0.178	1.88	---	---	12
13	---	---	---	---	2.56	5.54	4.41	4.33	0.280	1.77	---	---	13
14	---	---	---	---	0.385	4.90	4.08	4.28	0.308	1.48	---	---	14
15	---	---	---	---	0.858	5.32	3.78	4.38	0.388	1.13	---	---	15
16	---	---	---	---	1.28	5.08	4.04	4.15	0.404	E.573	---	---	16
17	---	---	---	---	1.56	3.83	4.31	4.62	0.808	E.048	---	---	17
18	---	---	---	---	1.32	3.12	4.80	4.68	0.784	0.031	---	---	18
19	---	---	---	---	2.29	3.24	4.87	4.41	0.900	0.030	---	---	19
20	---	---	---	---	4.76	4.78	5.11	4.30	0.959	0.022	---	---	20
21	---	---	---	---	4.12	4.44	5.08	3.88	1.14	0.026	---	---	21
22	---	---	---	---	3.82	4.12	5.28	4.08	1.31	0.022	---	---	22
23	---	---	---	---	3.84	4.03	5.50	4.35	1.41	0.024	---	---	23
24	---	---	---	---	3.06	4.14	5.78	4.22	1.73	0.017	---	---	24
25	---	---	---	0.311A	4.88	4.71	5.64	4.21	1.85	0.023	---	---	25
26	---	---	---	0.351	3.88	4.66	5.98	4.13	1.88	0.017	---	---	26
27	---	---	---	0.277	5.88	5.29	5.72	4.32	1.97	0.020	---	---	27
28	---	---	---	0.248	4.15	7.18	5.81	4.03	3.67	0.018	---	---	28
29	---		---	0.234	4.01	5.88	5.87	3.60	4.89	0.017	---	---	29
30	---		---	0.181	4.28	5.98	5.34	3.15	4.24	0.020	---	---	30
31	---		---		4.44		5.26	2.92		0.017		---	31
TOTAL	---	---	---	---	73.101	137.78	158.65	143.66	38.845	43.375	---	---	TOTAL
MEAN	---	---	---	---	2.36	4.59	5.11	4.80	1.30	1.37	---	---	MEAN
MAX	---	---	---	---	5.08	7.18	5.98	7.43	4.89	3.85	---	---	MAX
MIN	---	---	---	---	0.023	2.98	3.78	2.92	0.017	0.017	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.32
MAXIMUM DAILY, 7.43 ON AUG 3
MINIMUM DAILY, 0.017 ON SEP 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 09 00 N
LONG 111 40 00 W
DRAINAGE AREA, 2 780 km²
A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	13 700
FEB	---	AUG	12 300
MAR	---	SEP	3 380
APR	---	OCT	3 890
MAY	6 330	NOV	---
JUN	11 900	DEC	---

TOTAL DISCHARGE, 51 200 dam³

UNITED IRRIGATION DISTRICT CANAL NEAR HILL SPRING - STATION NO. 05AD013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	0.004	1.77	2.26	2.24	1.06	0.891	OE	---	1
2	---	---	---	0	0.008	1.93	2.26	2.26	1.06	0.890	OE	---	2
3	---	---	---	0	0.006	1.87	2.23	2.24	1.06	1.10	OE	---	3
4	---	---	---	0	0.006	1.90	2.21	2.20	1.06	1.06	OE	---	4
5	---	---	---	0	0.006	1.91	2.22	2.16	0.790	1.06	OE	---	5
6	---	---	---	0	0.006	2.22	2.22	2.16	0.855	1.24	OE	---	6
7	---	---	---	0	0.003	2.74	2.21	2.17	0.848	1.38	OE	---	7
8	---	---	---	0	0.002	2.86	2.19	2.17	0.848	1.34	OE	---	8
9	---	---	---	0	0	2.83	2.16	2.18	0.845	1.33	OE	---	9
10	---	---	---	0	0	2.41	2.86	2.21	0.850	1.32	OE	---	10
11	---	---	---	0	0	1.13	2.08	2.23	0.842	1.33	OE	---	11
12	---	---	---	0	0	1.06	2.17	2.23	0.835	1.35	OE	---	12
13	---	---	---	0	0	1.02	2.13	2.23	0.829	0.486	OE	---	13
14	---	---	---	0.008	0	0.898	1.98	2.22	0.828	0.001	OE	---	14
15	---	---	---	0.027	0	0.881	1.84	2.22	0.826	0	OE	---	15
16	---	---	---	0.025	0	1.46	1.83	2.21	0.825	0 A	OE	---	16
17	---	---	---	0.015	0.749	1.88	1.82	2.22	0.830	0 E	OE	---	17
18	---	---	---	0.008	1.48	1.82	1.81	2.18	0.835	0 E	OE	---	18
19	---	---	---	0.007	1.49	1.79	1.80	2.17	0.835	0 E	OE	---	19
20	---	---	---	0.008	1.48	1.94	1.80	2.18	0.828	0 E	OE	---	20
21	---	---	0A	0.008	1.47	1.90	1.81	2.00	0.827	0 E	OE	---	21
22	---	---	0	0.005	1.44	2.04	1.82	1.88	0.822	0 E	OE	---	22
23	---	---	0	0.004	1.83	2.22	1.82	1.89	0.818	0 E	OE	---	23
24	---	---	0	0.003	2.25	2.20	1.82	1.82	0.817	0 E	OE	---	24
25	---	---	0	0.004	2.24	2.22	2.06	1.34	0.812	0 E	OE	---	25
26	---	---	0	0.004	2.23	2.23	2.24	1.11	0.807	0 E	OE	---	26
27	---	---	0	0.003	2.21	2.22	2.26	1.08	0.804	0 E	OE	---	27
28	---	---	0	0.003	1.86	2.23	2.26	1.08	0.799	0 E	OE	---	28
29	---		0	0.003	0.872	2.23	2.26	1.06	0.801	0 E	OE	---	29
30	---		0	0.003	0.788	2.23	2.27	1.07	0.893	0 E	OE	---	30
31	---		0		1.38		2.28	1.08		0 E		---	31
TOTAL	---	---	---	0.133	23.702	57.717	66.18	59.84	21.487	14.876	0	---	TOTAL
MEAN	---	---	---	0.004	0.765	1.92	2.13	1.92	0.716	0.480	0	---	MEAN
MAX	---	---	---	0.027	2.25	2.86	2.28	2.24	1.06	1.38	0	---	MAX
MIN	---	---	---	0	0	0.881	1.80	1.06	0.807	0	0	---	MIN

SUMMARY FOR THE MONTHS APR TO NOV

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.998
MAXIMUM DAILY, 3.15 ON JUL 9
MINIMUM DAILY, 0 ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 13 04 N
LONG 113 37 58 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5 720
FEB	---	AUG	5 140
MAR	---	SEP	1 850
APR	11.5	OCT	1 390
MAY	2 050	NOV	0
JUN	4 890	DEC	---

TOTAL DISCHARGE, 21 100 dam³

UNNAMED CREEK NEAR FORT MACKAY - STATION NO. 07DA011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0748	0.0688	1.75 B	1.35	0.365	0.295	0.219	0.389	---	---	1
2	---	---	0.0806	0.0708	2.48 B	1.14	0.589	0.241	0.184	0.383	---	---	2
3	---	---	0.0808	0.0728	2.60 B	1.04	0.560	0.373	0.158	0.368	---	---	3
4	---	---	0.0758	0.0758	2.72 B	0.956	0.886	0.858	0.161	0.354	---	---	4
5	---	---	0.0678	0.0778	2.58	0.918	0.938	0.458	0.181	0.353	---	---	5
6	---	---	0.0658	0.0808	2.63	0.886	1.14	0.422	0.150	0.344	---	---	6
7	---	---	0.0658	0.0908	3.18	0.788	1.46	0.411	0.202	0.384	---	---	7
8	---	---	0.0688	0.1108	3.26	0.728	1.06	0.356	0.181	0.338	---	---	8
9	---	---	0.0806	0.1408	3.41	0.883	0.883	0.291	0.187	0.312	---	---	9
10	---	---	0.0858	0.2008	2.81	0.821	0.882	0.244	0.188	0.334	---	---	10
11	---	---	0.0848	0.2408	2.54	0.853	0.581	0.182	0.159	0.317	---	---	11
12	---	---	0.0808	0.2488	2.16	0.475	0.483	0.147	0.184	0.287	---	---	12
13	---	---	0.0788	0.2458	1.83	0.381	0.372	0.124	0.286	0.282	---	---	13
14	---	---	0.0708	0.2408	1.61	0.288	0.318	0.113	0.208	0.285	---	---	14
15	---	---	0.0688	0.2258	1.82	0.244	0.259	0.087	0.188	0.297	---	---	15
16	---	---	0.0658	0.2008	1.18	0.187	0.189	0.305	0.270	0.287	---	---	16
17	---	---	0.0648	0.1708	1.07	0.172	0.178	0.122	0.430	0.304	---	---	17
18	---	---	0.0628	0.1708	0.994	0.160	0.302	0.090	0.347	0.311	---	---	18
19	---	---	0.0618	0.1808	1.18	0.376	0.152	0.081	0.348	0.274	---	---	19
20	---	---	0.0618	0.2008	2.04	0.733	0.115	0.055	0.377	0.273	---	---	20
21	---	---	0.0608	0.2158	2.24	0.740	0.288	0.084	0.430	0.278	---	---	21
22	---	---	0.0608	0.2358	2.38	0.745	0.187	0.368	0.480	0.280	---	---	22
23	---	---	0.0608	0.2858	2.38	0.618	0.161	1.06	0.481	0.304	---	---	23
24	---	---	0.0608	0.3858	2.18	0.854	0.188	1.07	0.446	0.317	---	---	24
25	---	---	0.0618	0.4248	2.12	0.848	0.411	0.679	0.431	0.318	---	---	25
26	---	---	0.0628	0.4888	2.10	0.853	0.258	0.738	0.418	0.288	---	---	26
27	---	---	0.0628	0.6068	1.68	0.585	0.472	0.678	0.388	0.267A	---	---	27
28	---	---	0.0638	0.6728	1.68	0.512	0.332	0.883	0.389	0.220E	---	---	28
29	---		0.0638	0.6418	1.63	0.485	0.241	0.440	0.371	0.190E	---	---	29
30	---		0.0648	0.8978	1.42	0.381	0.182	0.347	0.389	0.170E	---	---	30
31	---		0.0698		1.33		0.280	0.278		0.190E		---	31
TOTAL	---	---	2.112	7.835	65.274	18.893	14.549	11.415	8.733	9.213	---	---	TOTAL
MEAN	---	---	0.068	0.284	2.11	0.630	0.469	0.368	0.291	0.297	---	---	MEAN
MAX	---	---	0.085	0.897	3.41	1.35	1.46	1.06	0.481	0.389	---	---	MAX
MIN	---	---	0.060	0.068	0.994	0.172	0.115	0.055	0.150	0.150	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.583
MAXIMUM DAILY, 3.41 ON MAY 9
MINIMUM DAILY, 0.055 ON AUG 20
MAXIMUM INSTANTANEOUS,
5.03 AT 15:39 MST ON MAY 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 39 41 N
LONG 111 31 11 W
DRAINAGE AREA, 274 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 280
FEB	---	AUG	886
MAR	182	SEP	755
APR	685	OCT	795
MAY	5 640	NOV	---
JUN	1 610	DEC	---

TOTAL DISCHARGE, 11 900 dam³

UPPER KANANASKIS LAKE - STATION NO. 05BF005

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1893.84	1891.24	1890.08	1889.03	1888.27	1890.11	1894.23	1897.83	1898.35	1700.65	1898.80	1896.71	1
2	1893.88	1891.17	1890.00	1888.04	1888.28	1890.13	1894.34	1897.84	1898.43	1700.83	1898.88	1896.88	2
3	1893.48	1891.08	1889.97	1889.02	1888.31	1890.23	1894.47	1897.88	1898.50	1700.88	1898.87	1896.85	3
4	1893.41	1891.05	1889.95	1888.03	1888.34	1890.32	1894.54	1897.74	1898.57	1700.82	1898.82	1896.81	4
5	1893.32	1891.03	1889.92	1889.03	1888.35	1890.38	1894.65	1897.68	1898.58	1700.48	1898.48	1896.83	5
6	1893.22	1890.98	1889.88	1889.08	1888.38	1890.85	1894.78	1897.86	1898.58	1700.42	1898.37	1896.80	6
7	1893.18	1890.94	1889.85	1889.07	1888.44	1890.71	1894.88	1898.06	1898.74	1700.44	1898.27	1896.86	7
8	1893.18	1890.90	1889.81	1889.08	1888.48	1890.88	1895.00	1898.11	1898.78	1700.44	1898.20	1896.80	8
9	1893.08	1890.86	1889.78	1889.09	1888.53	1891.10	1895.11	1898.18	1898.87	1700.47	1898.15	1896.48	9
10	1892.97	1890.80	1889.71	1889.07	1888.58	1891.28	1895.22	1898.20	1898.82	1700.40	1898.12	1896.49	10
11	1892.87	1890.80	1889.68	1889.07	1888.83	1891.48	1895.36	1898.23	1898.88	1700.31	1898.12	1896.38	11
12	1892.77	1890.78	1889.66	1889.08	1888.70	1891.80	1895.39	1898.28	1700.02	1700.32	1898.11	1896.23	12
13	1892.67	1890.74	1889.80	1889.08	1888.78	1891.78	1895.53	1898.23	1700.08	1700.13	1898.04	1896.14	13
14	1892.84	1890.87	1889.58	1889.10	1888.81	1892.00	1895.62	1898.21	1700.12	1700.12	1897.98	1896.02	14
15	1892.81	1890.81	1889.65	1889.10	1889.88	1892.21	1895.78	1898.21	1700.17	1700.12	1897.87	1895.91	15
16	1892.80	1890.84	1889.48	1889.12	1888.81	1892.43	1895.80	1898.28	1700.23	1700.02	1897.80	1895.83	16
17	1892.44	1890.48	1889.43	1889.11	1889.84	1892.81	1895.00	1898.37	1700.28	1699.81	1897.71	1895.74	17
18	1892.28	1890.42	1889.38	1889.11	1890.00	1892.78	1895.12	1898.44	1700.32	1699.81	1897.89	1895.83	18
19	1892.17	1890.38	1889.38	1889.13	1890.00	1892.88	1895.25	1898.52	1700.38	1699.78	1897.87	1895.81	19
20	1892.05	1890.34	1889.30	1888.14	1890.03	1892.87	1896.36	1898.81	1700.40	1699.81	1897.81	1895.40	20
21	1892.03	1890.31	1889.24	1889.16	1890.07	1893.07	1896.48	1898.71	1700.42	1699.83	1897.84	1895.38	21
22	1892.04	1890.27	1889.18	1889.20	1890.10	1893.17	1896.61	1898.80	1700.46	1699.83	1897.48	1895.18	22
23	1891.83	1890.23	1889.14	1888.21	1890.13	1893.26	1896.73	1898.84	1700.51	1699.83	1897.37	1895.10	23
24	1891.81	1890.21	1889.11	1889.20	1890.13	1893.38	1896.80	1898.90	1700.58	1699.44	1897.38	1895.08	24
25	1891.72	1890.19	1889.08	1889.22	1890.12	1893.60	1896.92	1898.94	1700.67	1699.34	1897.28	1895.02	25
26	1891.84	1890.16	1889.06	1889.23	1890.10	1893.59	1896.99	1899.05	1700.81	1699.22	1897.23	1894.94	26
27	1891.84	1890.14	1888.04	1888.24	1890.13	1893.73	1897.06	1899.13	1700.81	1899.11	1897.11	1894.83	27
28	1891.62	1890.10	1888.04	1888.26	1890.17	1893.87	1897.12	1899.18	1700.81	1898.98	1897.01	1894.71	28
29	1891.43		1888.05	1888.26	1890.16	1893.96	1897.24	1899.22	1700.80	1898.87	1896.93	1894.60	29
30	1891.38		1889.02	1889.27	1890.13	1894.09	1897.36	1899.24	1700.83	1898.96	1896.82	1894.51	30
31	1891.30		1889.03		1890.12		1897.41	1899.32		1898.84		1894.43	31
MEAN	1892.48	1890.82	1889.48	1889.13	1888.80	1892.13	1895.87	1898.44	1700.13	1899.90	1897.82	1895.78	MEAN
MAX	1893.88	1891.24	1890.08	1889.27	1890.17	1894.09	1897.41	1899.32	1700.83	1700.85	1898.80	1896.71	MAX
MIN	1891.30	1890.10	1889.02	1889.02	1889.27	1890.11	1894.23	1897.83	1898.35	1898.84	1896.82	1894.43	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 1894.33
MAXIMUM DAILY, 1700.85 ON OCT 1
MINIMUM DAILY, 1889.02 ON MAR 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 37 00 N
LONG 115 07 00 W
DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED

DRAINAGE AREA,
151 km²

WATER LEVELS ARE REFERRED TO TRANSALTA UTILITIES DATUM
APPLY 0.383 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

UTIKUMA LAKE NEAR NIPISI - STATION NO. 07JA001

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	29.898	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	29.870	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	30.088	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	30.006	---	30.002	29.986	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	30.048	---	---	---	28
29	---	---	29.980	---	---	---	---	30.078	---	---	---	---	29
30	---	---	---	---	---	---	---	---	---	---	---	---	30
31	---	---	---	---	---	---	---	---	---	30.064	---	---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 51 38 N
LONG 113 15 27 W

NATURAL FLOW

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

VERDIGRIS COULEE NEAR THE MOUTH - STATION NO. 11AA038

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0088	0.028	0.272	0.524	0.238	0.240	0.230	0.042	---	1
2	---	---	0 B	0.0048	0.204	0.318	0.517	0.210	0.237	0.148	0.018	---	2
3	---	---	0 B	0.0048	0.182	0.300	0.518	0.231	0.288	0.071	0.051	---	3
4	---	---	0 B	0.0038	0.170	0.312	0.504	0.284	0.284	0.073	0.144	---	4
5	---	---	0 B	0.0038	0.084	0.303	0.498	0.180	0.192	0.188	0.181	---	5
6	---	---	0 B	0.007	0.048	0.318	0.493	0.081	0.247	0.138	0.132	---	6
7	---	---	0 B	0.007	0.081	0.348	0.474	0.080	0.332	0.098	0.128	---	7
8	---	---	0 B	0.004	0.030	0.327	0.488	0.082	0.208	0.210	0.182	---	8
9	---	---	0.0808	0.002	0.007	0.308	0.473	0.072	0.177	0.182	0.046	---	9
10	---	---	0.1008	0.001	0.002	0.502	0.487	0.071	0.188	0.188	0.083	---	10
11	---	---	0.0108	0.001	0.040	1.88	0.453	0.044	0.087	0.188	0.033	---	11
12	---	---	0 B	0.001	0.018	0.851	0.443	0.048	0.020	0.165	0.011	---	12
13	---	---	0 B	0.128	0.014	0.592	0.489	0.030	0.028	0.113	0.003	---	13
14	---	---	0 B	0.177	0.008	0.527	0.591	0.030	0.062	0.131	0.001	---	14
15	---	---	0 B	0.188	0.002	0.514	0.488	0.028	0.040	0.089	0.001	---	15
16	---	---	0 B	0.223	0.001	0.521	0.429	0.080	0.041	0.077	0	---	16
17	---	---	0 B	0.178	0.008	0.518	0.432	0.081	0.143	0.080	0	---	17
18	---	---	0 B	0.188	0.008	0.500	0.428	0.087	0.218	0.007	0.088	---	18
19	---	---	0 B	0.202	0.068	0.487	0.411	0.047	0.128	0.082	0.150	---	19
20	---	---	0 B	0.180	0.188	0.487	0.388	0.028	0.174	0.084	0.012A	---	20
21	---	---	0 B	0.148	0.023	0.508	0.378	0.038	0.100	0.100	0.0088	---	21
22	---	---	0.0018	0.182	0.002	0.518	0.373	0.040E	0.138	0.085	0 B	---	22
23	---	---	0.0188	0.192	0.007	0.531	0.373	0.088E	0.032	0.041	0 B	---	23
24	---	---	0.0308	0.182	0.028	0.544	0.348	0.088E	0.158	0.077	0 B	---	24
25	---	---	0.0488	0.117	0.240	0.542	0.402	0.124E	0.118	0.042	0 B	---	25
26	---	---	0.5028	0.134	0.028	0.588	0.384	0.152E	0.112	0.041	0 B	---	26
27	---	0B	0.7488	0.323	0.021	0.547	0.328	0.180E	0.182	0.051	0 B	---	27
28	---	0B	0.3978	0.300	0.282	0.540	0.313	0.208E	0.170	0.200	0 B	---	28
29	---		0.1388	0.235	0.580	0.535	0.333	0.238E	0.113	0.0588	0 B	---	29
30	---		0.0808	0.134	0.447	0.532	0.297	0.283A	0.128	0.0508	0 B	---	30
31	---		0.0118		0.277		0.282	0.278		0.0708		---	31
TOTAL	---	---	3.184	3.414	3.017	19.362	13.281	3.804	4.389	3.225	1.226	---	TOTAL
MEAN	---	---	0.071	0.114	0.097	0.512	0.428	0.118	0.148	0.104	0.041	---	MEAN
MAX	---	---	0.748	0.323	0.580	1.88	0.591	0.284	0.268	0.230	0.182	---	MAX
MIN	---	---	0	0.001	0.001	0.272	0.282	0.028	0.020	0.007	0	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.188
MAXIMUM DAILY, 1.88 ON JUN 11
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.78 AT 05:45 MST ON JUN 11

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 06 38 N
LONG 111 45 31 W
DRAINAGE AREA, 359 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL 1 150	
FEB	---	AUG 311	
MAR	190	SEP 378	
APR	295	OCT 278	
MAY	261	NOV 106	
JUN 1 330		DEC ---	

TOTAL DISCHARGE, 4 200 dam³

VERDIGRIS LAKE TRIBUTARY NEAR MILK RIVER - STATION NO. 11AA039

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0B	0 B	0.044	0.014	0.052	0.002	0	0	0	---	---	1
2	---	0B	0 B	0.038	0.013	0.024	0.001	0	0	0	---	---	2
3	---	0B	0 B	0.022	0.012	0.014	0	0	0	0	---	---	3
4	---	0B	0 B	0.019	0.009	0.011	0	0	0	0	---	---	4
5	---	0B	0 B	0.017	0.007	0.008	0	0	0	0	---	---	5
6	---	0B	0 B	0.018	0.006	0.007	0	0	0	0	---	---	6
7	---	0B	0 B	0.021	0.005	0.005	0	0	0	0	---	---	7
8	---	0B	0.0028	0.023	0.005	0.004	0	0	0	0	---	---	8
9	---	0B	0.0018	0.020	0.004	0.003	0	0	0	0	---	---	9
10	---	0B	0 B	0.018	0.003	0.041	0	0	0	0	---	---	10
11	---	0B	0 B	0.012	0.001	8.74	0	0	0	0	---	---	11
12	---	0B	0.0018	0.010	0	1.88	0	0	0	0	---	---	12
13	---	0B	0.0208	0.008	0	0.200	0	0	0	0	---	---	13
14	---	0B	0.1088	0.006	0	0.088	0	0	0	0	---	---	14
15	---	0B	0.0208	0.009	0	0.034	0.002	0	0	0	---	---	15
16	---	0B	0.0038	0.008	0	0.021	0.002	0	0	0	---	---	16
17	---	0B	0.0018	0.016	0	0.013	0.001	0	0	0	---	---	17
18	---	0B	0.0018	0.018	0	0.008	0	0	0	0	---	---	18
19	---	0B	0.0028	0.016	0	0.007	0	0	0	0	---	---	19
20	---	0B	0.0028	0.013	0	0.007	0	0	0	0	---	---	20
21	---	0B	0.0018	0.011	0	0.006	0	0	0	0	---	---	21
22	---	0B	0.0038	0.012	0	0.004	0	0	0	0	---	---	22
23	0 B	0B	0.3658	0.010	0	0.004	0	0	0	0	---	---	23
24	0 B	0B	1.30	0.011	0	0.004	0	0	0	0	---	---	24
25	0 B	0B	1.38	0.013	0	0.012	0	0	0	0	---	---	25
26	0 B	0B	0.814	0.014	0	0.008	0	0	0	0	---	---	26
27	0 B	0B	0.418	0.018	0	0.006	0	0	0	0	---	---	27
28	0 B	0B	0.282	0.018	0.005	0.004	0	0	0	0	---	---	28
29	0 B		0.183	0.016	0.019	0.003	0	0	0	0	---	---	29
30	0.001B		0.080	0.015	0.015	0.003	0	0	0	0	---	---	30
31	0 B		0.088		0.089		0	0		0A		---	31
TOTAL	---	0	5.135	0.492	0.188	8.901	0.006	0	0	0	---	---	TOTAL
MEAN	---	0	0.166	0.016	0.005	0.297	0	0	0	0	---	---	MEAN
MAX	---	0	1.38	0.044	0.089	8.74	0.002	0	0	0	---	---	MAX
MIN	---	0	0	0.008	0	0.003	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS FEB TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.054
MAXIMUM DAILY, 8.74 ON JUN 11
MINIMUM DAILY, 0B ON FEB 1
MAXIMUM INSTANTANEOUS,
8.28 AT 10:15 MST ON JUN 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 13 32 N
LONG 112 08 27 W
DRAINAGE AREA, 73.0 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.89
FEB	0	AUG	0
MAR	444	SEP	0
APR	42.5	OCT	0
MAY	16.2	NOV	---
JUN	769	DEC	---

TOTAL DISCHARGE, 1 270 dam³

VERMILION PARK LAKE NEAR VERMILION - STATION NO. 05EE006

DAILY WATER LEVEL IN METRES FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	575.786	575.818	575.821	575.677	575.808	575.783	575.778	575.790	---	---	1
2	---	---	575.789	575.867	575.814	575.671	575.795	575.787	575.778	575.788	---	---	2
3	---	---	575.770	575.811	575.808	575.683	575.787	575.774	575.787	575.786	---	---	3
4	---	---	575.788	575.843	575.898	575.680	575.788	575.788	575.783	575.759	---	---	4
5	---	---	575.787	575.886	575.886	575.855	575.779	575.790	575.788	575.759	---	---	5
6	---	---	575.770	575.885	575.802	575.854	575.775	575.820	575.788	575.758	---	---	6
7	---	---	575.771	576.012	575.897	575.848	575.788	575.867	575.802	575.784	---	---	7
8	---	---	575.771	576.018	575.901	575.843	575.787	575.777	575.785	575.781	---	---	8
9	---	---	575.772	576.001	575.887	575.851	575.783	575.878	575.788	575.787	---	---	9
10	---	---	575.771	575.980	575.891	575.862	575.774	575.875	575.786	575.783	---	---	10
11	---	---	575.771	575.982	575.894	575.885	575.813	575.870	575.782	575.770	---	---	11
12	---	---	575.772	575.984	575.886	575.867	575.822	575.882	575.784	575.772	---	---	12
13	---	---	575.773	575.948	575.881	575.883	575.818	575.847	575.788	575.773	---	---	13
14	---	---	575.773	575.938	575.879	575.880	575.816	575.838	575.784	575.771	---	---	14
15	---	---	575.773	575.934	575.882	575.898	575.809	575.828	575.788	575.774	---	---	15
16	---	---	575.772	575.923	575.874	575.883	575.804	575.818	575.788	575.770	---	---	16
17	---	---	575.770	575.917	575.877	575.858	575.803	575.818	575.788	575.788	---	---	17
18	---	---	575.770	575.920	575.875	575.854	575.797	575.812	575.782	575.788	---	---	18
19	---	---	575.771	575.944	575.896	575.847	575.793	575.803	575.783	575.774	---	---	19
20	---	---	575.771	575.952	575.895	575.842	575.791	575.802	575.780	575.775	---	---	20
21	---	---	575.771	575.983	575.874	575.835	575.782	575.805	575.777	575.778	---	---	21
22	---	---	575.772	575.943	575.872	575.818	575.781	575.800	575.788	575.778	---	---	22
23	---	---	575.772	575.936	575.883	575.807	575.782	575.787	575.771	575.778	---	---	23
24	---	---	575.773	575.936	575.891	575.801	575.783	575.793	575.773	575.778	---	---	24
25	---	---	575.775	575.936	575.901	575.795	575.774	575.788	575.788	575.778	---	---	25
26	---	---	575.775	575.936	575.906	575.782	575.783	575.787	575.787	575.777	---	---	26
27	---	---	575.776	575.940	575.902	575.781	575.781	575.781	575.772	575.776	---	---	27
28	---	575.786A	575.778	575.938	575.901	575.802	575.788	575.778	575.788	575.789	---	---	28
29	---		575.777	575.933	575.891	575.798	575.789	575.778	575.784	575.782	---	---	29
30	---		575.782	575.928	575.887	575.788	575.788	575.772	575.788	575.786A	---	---	30
31	---		575.781		575.882		575.788	575.778		575.784E		---	31
MEAN	---	---	575.773	575.942	575.883	575.838	575.788	575.811	575.781	575.770	---	---	MEAN
MAX	---	---	575.781	576.018	575.921	575.877	575.822	575.878	575.802	575.789	---	---	MAX
MIN	---	---	575.767	575.818	575.872	575.781	575.781	575.783	575.784	575.784	---	---	MIN

SUMMARY FOR THE YEAR 1989

WATER LEVELS IN METRES

MAXIMUM DAILY, 576.018 ON APR 6

MAXIMUM INSTANTANEOUS,
576.020 AT 15:50 MST ON APR 7

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 31 40 N
LONG 110 51 24 W

A - MANUAL GAUGE
E - ESTIMATED

DRAINAGE AREA,
8 140 km²

VERMILION RIVER AT VEGREVILLE - STATION NO. 05EE009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1969

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.1208	0.053	0.058	0.010	0.008	0.001	0.001	---	---	1
2	---	---	0 B	0.2008	0.019	0.058	0.001	0.005	0.007	0.001	---	---	2
3	---	---	0 B	0.4008	0.014	0.048	0.001	0.044	0.005	0.001	---	---	3
4	---	---	0 B	0.8008	0.021	0.047	0.001	0.008	0.002	0.001	---	---	4
5	---	---	0 B	1.84 B	0.021	0.050	0.001	0.013	0.004	0.001	---	---	5
6	---	---	0 B	1.70 B	0.031	0.058	0.001	0.004	0.003	0.002	---	---	6
7	---	---	0 B	1.78 B	0.038	0.058	0.001	0.004	0.003	0.002	---	---	7
8	---	---	0 B	1.80 B	0.038	0.022	0.002	0.003	0.002	0.002	---	---	8
9	---	---	0 B	1.78 B	0.038	0.001	0.003	0.003	0.003	0.003	---	---	9
10	---	---	0 B	1.86 B	0.031	0	0.003	0.002	0.003	0.004	---	---	10
11	---	---	0 B	1.53 B	0.018	0	0.008	0.002	0.002	0.003	---	---	11
12	---	---	0 B	1.54 B	0.008	0	0.003	0.002	0.002	0.003	---	---	12
13	---	---	0 B	1.58 B	0.007	0	0.002	0.001	0.001	0.003	---	---	13
14	---	---	0 B	1.58 B	0.008	0.001	0.002	0.001	0.002	0.004	---	---	14
15	---	---	0 B	1.84 B	0.007	0.008	0.002	0.001	0.002	0.005	---	---	15
16	---	---	0 B	1.48 B	0.008	0.011	0.008	0.008	0.002	0.003	---	---	16
17	---	---	0 B	1.40 B	0.008	0.027	0.001	0.001	0.001	0.004	---	---	17
18	---	---	0 B	1.30 B	0.010	0.040	0.024	0.003	0.002	0.005	---	---	18
19	---	---	0 B	1.21 A	0.072	0.084	0.001	0.001	0.001	0.005	---	---	19
20	---	---	0 B	1.08	0.033	0	0.001	0.001	0.001	0.008	---	---	20
21	---	---	0 B	1.04	0.035	0	0.007	0.008	0.002	0.006	---	---	21
22	---	---	0 B	0.867	0.035	0	0.011	0.003	0.002	0.006	---	---	22
23	---	---	0 B	0.714	0.047	0	0.003	0.008	0.002	0.006	---	---	23
24	---	---	0 B	0.606	0.080	0.004	0.008	0.001	0.001	0.007	---	---	24
25	---	---	0 B	0.818	0.043	0.003	0.003	0.002	0.001	0.007	---	---	25
26	---	---	0 B	0.582	0.040	0.004	0.002	0.001	0.002	0.007	---	---	26
27	---	---	0 B	0.431	0.042	0.018	0.008	0.001	0.001	0.008	---	---	27
28	---	---	0 B	0.354	0.042	0.020	0.002	0.001	0.002	0.0088	---	---	28
29	---		0 B	0.171	0.048	0.001	0.001	0.003	0.002	0.0078	---	---	29
30	---		0.0208	0.158	0.040	0.001	0.003	0.002	0.003	0.0078	---	---	30
31	---		0.0808		0.037		0.002	0.008		0.0088		---	31
TOTAL	---	---	0.080	31.332	0.933	0.852	0.123	0.182	0.088	0.133	---	---	TOTAL
MEAN	---	---	0.003	1.04	0.030	0.022	0.004	0.008	0.002	0.004	---	---	MEAN
MAX	---	---	0.080	1.80	0.072	0.080	0.024	0.080	0.007	0.008	---	---	MAX
MIN	---	---	0	0.120	0.008	0	0.001	0.001	0.001	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.137
MAXIMUM DAILY, 1.808 ON APR 5
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 29 38 N
LONG 112 03 18 W
DRAINAGE AREA, 1 630 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	10.6
FEB	---	AUG	18.6
MAR	8.91	SEP	8.70
APR	2 710	OCT	11.5
MAY	80.6	NOV	---
JUN	68.3	DEC	---

TOTAL DISCHARGE, 2 900 dam³

VERMILION RIVER DRAINAGE NEAR HOLDEN - STATION NO. 05EE013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1969

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0 B	0.001	0	0.003	0	0	0	---	---	1
2	---	---	---	0 B	0	0	0.002	0	0	0	---	---	2
3	---	---	---	0 B	0	0	0.001	0	0	0	---	---	3
4	---	---	---	0 B	0	0	0	0	0	0	---	---	4
5	---	---	---	0 B	0	0	0	0	0	0	---	---	5
6	---	---	---	0 B	0	0	0.001	0	0	0	---	---	6
7	---	---	---	0 B	0	0	0	0	0	0	---	---	7
8	---	---	---	0 B	0	0	0	0	0	0	---	---	8
9	---	---	---	0 B	0	0	0	0	0.001	0	---	---	9
10	---	---	---	0 B	0	0	0	0	0.009	0	---	---	10
11	---	---	---	0 B	0	0	0.007	0	0.013	0	---	---	11
12	---	---	---	0.188	0	0	0.012	0	0.013	0	---	---	12
13	---	---	---	0.084	0	0	0.011	0	0.012	0	---	---	13
14	---	---	---	0.040	0	0	0.008	0	0.010	0	---	---	14
15	---	---	---	0.818	0	0	0.007	0	0.008	0	---	---	15
16	---	---	---	0.182	0	0	0.004	0	0.007	0	---	---	16
17	---	---	---	0.082	0	0	0.003	0	0.008	0	---	---	17
18	---	---	---	0.030	0	0	0.003	0	0.008	0	---	---	18
19	---	---	---	0.023	0	0	0.002	0	0.004	0	---	---	19
20	---	---	---	0.018	0	0	0	0	0.004	0	---	---	20
21	---	---	---	0.008	0	0	0	0	0.004	0	---	---	21
22	---	---	---	0.002	0	0	0	0	0.003	0	---	---	22
23	---	---	---	0.008	0	0	0	0	0.003	0	---	---	23
24	---	---	---	0.033	0	0	0	0	0.002	0	---	---	24
25	---	---	---	0.011	0	0	0	0	0.001	0	---	---	25
26	---	---	---	0.004	0	0	0	0	0.001	0	---	---	26
27	---	---	---	0.001	0	0	0	0	0.001	0	---	---	27
28	---	---	---	0.003	0	0	0	0	0	0	---	---	28
29	---		---	0.011	0	0.002	0	0	0	0	---	---	29
30	---		---	0.006	0	0.003	0	0	0	0	---	---	30
31	---		---		0		0	0		0		---	31
TOTAL	---	---	---	1.234	0.001	0.005	0.085	0	0.108	0	---	---	TOTAL
MEAN	---	---	---	0.041	0	0	0.002	0	0.004	0	---	---	MEAN
MAX	---	---	---	0.818	0.001	0.003	0.012	0	0.013	0	---	---	MAX
MIN	---	---	---	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 0.818 ON APR 15
MINIMUM DAILY, 0B ON APR 1

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 06 03 N
LONG 112 24 19 W
DRAINAGE AREA, 58.4 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5.62
FEB	---	AUG	0
MAR	---	SEP	9.33
APR	107	OCT	0
MAY	0.08	NOV	---
JUN	0.43	DEC	---

VERMILION RIVER NEAR MARWAYNE - STATION NO. 05EE007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.2008	1.84	0.717	0.140	0.043	0.204	0.062	---	---	1
2	---	---	0 B	1.10 B	1.81	0.713	0.145	0.038	0.206	0.061	---	---	2
3	---	---	0 B	2.15 B	2.30	0.845	0.180	0.088	0.217	0.048	---	---	3
4	---	---	0 B	2.35 B	2.39	0.896	0.147	0.084	0.248	0.033	---	---	4
5	---	---	0 B	2.37 B	2.17	0.850A	0.126	0.085	0.184	0.031	---	---	5
6	---	---	0 B	2.26	1.89	0.820E	0.116	0.078	0.182	0.031	---	---	6
7	---	---	0 B	1.87	1.76	0.480E	0.102	0.074	0.245	0.033	---	---	7
8	---	---	0 B	1.71	1.71	0.470E	0.262	0.074	0.286	0.031	---	---	8
9	---	---	0 B	1.84	1.88	0.480E	0.318	0.087	0.286	0.033	---	---	9
10	---	---	0 B	1.84	1.83	0.480E	0.330	0.073	0.285	0.035	---	---	10
11	---	---	0 B	1.88	1.48	0.835A	0.477	0.081E	0.285	0.036	---	---	11
12	---	---	0 B	1.75	1.30	0.717	1.07	0.087E	0.235	0.038	---	---	12
13	---	---	0 B	1.64	1.25	0.820	0.815	0.083E	0.213	0.038	---	---	13
14	---	---	0 B	1.97	1.15	0.805A	0.485	0.088	0.242	0.038	---	---	14
15	---	---	0 B	2.11	0.987	0.405E	0.483	0.088	0.174	0.038	---	---	15
16	---	---	0 B	2.26	0.848	0.343E	0.442	0.082	0.178	0.037	---	---	16
17	---	---	0 B	2.41	0.728	0.362E	0.335	0.040	0.183	0.037	---	---	17
18	---	---	0 B	2.28	0.711	0.390E	0.310	0.040	0.188	0.038	---	---	18
19	---	---	0 B	2.26	0.789	0.335E	0.290	0.087	0.183	0.044	---	---	19
20	---	---	0 B	2.17	1.22	0.258E	0.188	0.188	0.188	0.048	---	---	20
21	---	---	0 B	2.08	1.48	0.208E	0.158	0.233	0.180	0.048	---	---	21
22	---	---	0 B	2.03	1.51	0.164E	0.130	0.288	0.180	0.064	---	---	22
23	---	---	0 B	1.88	1.22	0.142E	0.134	0.277	0.138	0.066	---	---	23
24	---	---	0 B	1.84	0.915	0.126E	0.118	0.276	0.100	0.056	---	---	24
25	---	---	0 B	1.81	0.747	0.126E	0.104	0.277	0.088	0.056	---	---	25
26	---	---	0 B	1.88	0.883	0.125A	0.087	0.276	0.088	0.058	---	---	26
27	---	0B	0 B	1.87	1.01	0.128	0.070	0.270	0.084	0.060	---	---	27
28	---	0B	0 B	1.86	1.08	0.127	0.057	0.248	0.082	0.061	---	---	28
29	---		0 B	1.85	1.09	0.133	0.037	0.224	0.078	0.082	---	---	29
30	---		0 B	1.84	0.900	0.135	0.036	0.213	0.083	0.103A	---	---	30
31	---		0.01BB		0.765		0.113	0.202		0.108E		---	31
TOTAL	---	---	0.010	57.400	41.045	11.581	7.885	4.275	5.445	1.530	---	---	TOTAL
MEAN	---	---	0	1.91	1.32	0.389	0.247	0.138	0.182	0.049	---	---	MEAN
MAX	---	---	0.010	2.41	2.39	0.717	1.07	0.276	0.286	0.108	---	---	MAX
MIN	---	---	0	0.200	0.711	0.126	0.036	0.036	0.083	0.031	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.525
MAXIMUM DAILY, 2.41 ON APR 17
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.72 AT 23:33 MST ON MAY 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 28 26 N
LONG 110 23 51 W
DRAINAGE AREA, 7 270 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	882
FEB	---	AUG	368
MAR	0.68	SEP	470
APR	4 880	OCT	132
MAY	3 550	NOV	---
JUN	1 000	DEC	---

TOTAL DISCHARGE, 11 100 dam³

VERMILION RIVER TRIBUTARY NEAR BRUCE - STATION NO. 05EE008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0208	0.005	0	0	0	0	0	---	---	1
2	---	---	0 B	0.0608	0.003	0	0	0	0	0.001	---	---	2
3	---	---	0 B	0.1208	0.001	0	0	0	0	0.001	---	---	3
4	---	---	0 B	0.2108	0	0	0	0	0	0.001	---	---	4
5	---	---	0 B	0.3118	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0.2108	0	0	0	0	0.005	0	---	---	6
7	---	---	0 B	0.1808	0	0	0	0	0.003	0	---	---	7
8	---	---	0 B	0.1118	0	0	0	0	0.001	0	---	---	8
9	---	---	0 B	0.1208	0	0	0	0	0.044	0	---	---	9
10	---	---	0 B	0.1308	0	0	0	0	0.044	0	---	---	10
11	---	---	0 B	0.140A	0	0	0	0	0.040	0	---	---	11
12	---	---	0 B	0.148	0	0	0	0	0.027	0	---	---	12
13	---	---	0 B	0.145	0	0	0	0	0.022	0	---	---	13
14	---	---	0 B	0.143	0	0	0.010	0	0.015	0	---	---	14
15	---	---	0 B	0.137	0	0.039	0.008	0	0.010	0	---	---	15
16	---	---	0 B	0.112	0	0.038	0.015	0	0.008	0	---	---	16
17	---	---	0 B	0.102	0	0.008	0.084	0	0.008	0	---	---	17
18	---	---	0 B	0.078	0	0	0.084	0	0.007	0	---	---	18
19	---	---	0 B	0.057	0	0	0.084	0	0.008	0.002	---	---	19
20	---	---	0 B	0.080	0.001	0	0.038	0	0.008	0.272	---	---	20
21	---	---	0 B	0.040	0.012	0	0.018	0	0.004	0.140	---	---	21
22	---	---	0 B	0.028	0.008	0	0.011	0	0.003	0.288	---	---	22
23	---	---	0 B	0.024	0.005	0	0.008	0	0.003	0.061	---	---	23
24	---	---	0 B	0.028	0.004	0	0.008	0	0.002	0.037	---	---	24
25	---	---	0 B	0.023	0.001	0	0.005	0	0.001	0.034	---	---	25
26	---	---	0 B	0.018	0	0	0.002	0	0	0.030	---	---	26
27	---	---	0 B	0.016	0	0	0	0	0	0.023	---	---	27
28	---	---	0 B	0.011	0	0	0	0	0	0.0118	---	---	28
29	---		0 B	0.008	0	0	0	0	0	0.0078	---	---	29
30	---		0.002B	0.007	0	0	0	0	0	0.0048	---	---	30
31	---		0.01BB		0		0	0		0.0018		---	31
TOTAL	---	---	0.012	2.777	0.061	0.080	0.386	0	0.378	0.895	---	---	TOTAL
MEAN	---	---	0	0.093	0.001	0.003	0.010	0	0.013	0.029	---	---	MEAN
MAX	---	---	0.010	0.311	0.013	0.039	0.084	0	0.082	0.272	---	---	MAX
MIN	---	---	0	0.007	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.018
MAXIMUM DAILY, 0.311B ON APR 5
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.473 AT 03:45 MST ON OCT 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 17 42 N
LONG 112 03 54 W
DRAINAGE AREA, 48.8 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	35.8
FEB	---	AUG	0
MAR	1.04	SEP	32.7
APR	240	OCT	77.3
MAY	2.84	NOV	---
JUN	5.18	DEC	---

TOTAL DISCHARGE, 395 dam³

VIXEN CREEK NEAR BELLOY - STATION NO. 07FD021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0 B	0	0.024	0	0	0	0.008	---	---	1
2	---	---	---	0 B	0.041	0.003	0	0	0	0.008	---	---	2
3	---	---	---	0 B	0.013	0	0	0	0	0.008	---	---	3
4	---	---	---	0 B	0	0	0	0	0	0.208	---	---	4
5	---	---	---	0 B	0	0	0	0	0	0.841	---	---	5
6	---	---	---	0 B	0	0	0	0	0	0.388	---	---	6
7	---	---	---	0 B	0	0	0	0	0	0.113	---	---	7
8	---	---	---	0 B	0	0	0	0	0	0.034	---	---	8
9	---	---	---	0.0878	0	0	0	0	0	0.010	---	---	9
10	---	---	---	0.1948	0	0	0	0	0	0.018	---	---	10
11	---	---	---	1.00 B	0	0	0	0	0	0.008	---	---	11
12	---	---	---	3.10 B	0	0.001	0	0	0	0	---	---	12
13	---	---	---	2.55 B	0	0.016	0	0	0	0	---	---	13
14	---	---	---	1.88	0	0	0	0	0	0	---	---	14
15	---	---	---	1.08	0	0	0	0	0	0	---	---	15
16	---	---	---	0.872	0	0	0	0	0	0	---	---	16
17	---	---	---	0.671	0	0	0	0	0	0	---	---	17
18	---	---	---	0.388	0	0	0	0	0	0	---	---	18
19	---	---	---	0.307	0	0	0	0	0	0	---	---	19
20	---	---	---	0.233	0.001	0	0	0	0	0	---	---	20
21	---	---	---	0.216	0.023	0	0	0	0	0	---	---	21
22	---	---	---	0.163	0.361	0.642	0	0	0	0	---	---	22
23	---	---	0B	0.126	0.808	0.584	0	0	0	0	---	---	23
24	---	---	---	0.078	0.478	0.152	0	0	0	0	---	---	24
25	---	---	---	0.048	0.371	0.014	0	0	0	0 B	---	---	25
26	---	---	---	0.031	0.280	0	0	0	0	0 B	---	---	26
27	---	---	---	0.031	0.236	0	0	0	0	0 B	---	---	27
28	---	---	---	0.007	0.188	0	0	0	0	0 B	---	---	28
29	---		---	0	0.131	0	0	0	0	0 B	---	---	29
30	---		---	0	0.081	0	0	0	0.003	0 B	---	---	30
31	---		---		0.055		0	0		0 B		---	31
TOTAL	---	---	---	12.888	3.884	1.818	0	0	0.003	1.738	---	---	TOTAL
MEAN	---	---	---	0.430	0.082	0.084	0	0	0	0.056	---	---	MEAN
MAX	---	---	---	3.10	0.808	0.642	0	0	0.003	0.841	---	---	MAX
MIN	---	---	---	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 3.108 ON APR 12
MINIMUM DAILY, 0B ON MAR 23

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 48 30 N
LONG 118 08 30 W
DRAINAGE AREA, 139 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	---	SEP	0.30
APR	1 110	OCT	150
MAY	247	NOV	---
JUN	140	DEC	---

WABAMUN CREEK NEAR DUFFIELD - STATION NO. 05DE003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0288	0.1108	0.081	0.318	0.248	0.171	0.283	0.083	0.181A	---	1
2	---	---	0.0288	0.2508	0.098	0.618	0.243	0.240	0.317	0.080	---	---	2
3	---	---	0.0288	0.4718	0.078	0.438	0.221	0.384	0.238	0.088	---	---	3
4	---	---	0.0288	1.18 B	0.087	0.338	0.148	0.628	0.183	0.085	---	---	4
5	---	---	0.0288	1.58 B	0.088	0.183	0.131	0.888	0.283	0.087	---	---	5
6	---	---	0.0288	1.38 B	0.087	0.180	0.128	0.628	0.270	0.080	---	---	6
7	---	---	0.0288	1.13 B	0.073	0.184	0.138	0.440	0.885	0.081	---	---	7
8	---	---	0.0288	1.80 B	0.068	0.158	1.88	0.843	0.388	0.087	---	---	8
9	---	---	0.0288	1.16 B	0.082	0.272	3.01	0.684	0.184	0.080	---	---	9
10	---	---	0.0288	1.84 B	0.068	0.888	5.08	0.378	0.204	0.088	---	---	10
11	---	---	0.0288	1.84 B	0.080	0.807	5.81	0.302	0.200	0.085	---	---	11
12	---	---	0.0288	1.38 B	0.081	0.788	5.48	0.172	0.171	0.080	---	---	12
13	---	---	0.0288	1.45 B	0.087	0.708	4.43	0.144	0.126	0.088	---	---	13
14	---	---	0.0288	1.40 B	0.082	0.274	2.86	0.118	0.108	0.078	---	---	14
15	---	---	0.0248	1.15 B	0.085	0.218	1.82	0.140	0.078	0.074	---	---	15
16	---	---	0.0248	1.12 B	0.068	0.178	1.42	0.228	0.081	0.071	---	---	16
17	---	---	0.0248	1.10 B	0.070	0.148	1.13	0.808	0.118	0.071	---	---	17
18	---	---	0.0248	0.8008	0.077	0.102	0.830	1.88	0.174	0.074	---	---	18
19	---	---	0.0248	0.8008	1.32	0.108	0.788	0.883	0.104	0.187	---	---	19
20	---	---	0.0248	0.428A	5.07	0.088	0.831	0.887	0.090	0.114	---	---	20
21	---	---	0.0248	0.273	4.84	0.187	0.808	0.828	0.088	0.233	---	---	21
22	---	---	0.0248	0.272	3.84	0.148	0.838	0.388	0.108	0.078	---	---	22
23	---	---	0.0238	0.244	2.88	0.110	0.471	0.418	0.141	0.087	---	---	23
24	---	---	0.0238	0.185	2.83	0.083	0.471	0.285	0.078	0.088	---	---	24
25	---	---	0.0238	0.089	2.34	0.083	0.484	0.243	0.088	0.208	---	---	25
26	---	---	0.0238	0.085	2.00	0.087	0.388	0.311	0.082	0.188	---	---	26
27	---	---	0.0238	0.088	1.80	0.302	0.368	0.170	0.088	0.188	---	---	27
28	---	0.0288	0.0238	0.070	0.888	0.380	0.328	0.120	0.088	0.188	---	---	28
28	---		0.0238	0.078	0.887	0.880	0.288	0.328	0.087	0.188	---	---	28
30	---		0.0388	0.088	0.844	0.288	0.288	0.273	0.138	0.170	---	---	30
31	---		0.0508		0.388		0.188	0.288		0.208		---	31
TOTAL	---	---	0.784	23.802	30.858	8.409	40.871	13.085	4.833	3.287	---	---	TOTAL
MEAN	---	---	0.028	0.783	0.888	0.280	1.32	0.422	0.184	0.108	---	---	MEAN
MAX	---	---	0.080	1.84	5.07	0.788	5.81	1.88	0.888	0.233	---	---	MAX
MIN	---	---	0.023	0.070	0.068	0.087	0.128	0.118	0.087	0.088	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.512
MAXIMUM DAILY, 5.81 ON JUL 11
MINIMUM DAILY, 0.023B ON MAR 23
MAXIMUM INSTANTANEOUS,
8.18 AT 16:17 MST ON JUL 11

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 37 42 N
LONG 114 23 00 W
DRAINAGE AREA, 813 km²

A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 540
FEB	---	AUG	1 130
MAR	88.8	SEP	435
APR	2 030	OCT	284
MAY	2 640	NOV	---
JUN	737	DEC	---

TOTAL DISCHARGE, 10 800 dam³

WABAMUN LAKE AT WABAMUN - STATION NO. 05DE002

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	724.175	724.180	724.181	724.281	---	---	724.530	724.610	724.550	724.540	724.550	1
2	724.130	---	---	---	---	---	724.401	724.580	---	---	724.530	---	2
3	---	---	---	724.201	724.291	724.381	---	724.570	724.620	724.555	724.540	724.540	3
4	724.130	724.140	724.170	---	---	---	724.381	724.580	724.600	724.550	---	---	4
5	---	---	---	724.211	---	724.391	724.381	---	724.610	724.550	724.540	724.540	5
6	724.213	724.180	724.181	---	724.281	724.411	---	724.580	724.610	724.550	---	724.540	6
7	724.140	---	---	---	---	724.381	724.401	724.580	724.610	724.550	724.555	---	7
8	---	724.180	724.181	724.231	724.291	---	---	724.580	724.605	724.550	724.550	724.550	8
9	724.140	---	---	---	---	---	724.501	724.580	724.600	---	---	---	9
10	---	---	---	724.231	724.271	724.391	724.541	724.580	724.595	724.545	724.550	724.550	10
11	724.180	724.180	724.181	---	---	---	724.581	724.580	---	724.545	---	---	11
12	---	---	---	724.251	---	---	724.571	724.580	724.580	---	724.540	724.545	12
13	---	724.180	724.181	---	724.281	724.381	724.571	724.580	724.580	724.540	---	724.543	13
14	724.180	---	---	---	---	---	724.571	724.580	724.580	---	724.550	---	14
15	---	724.180	724.181	724.251	724.271	---	---	724.580	724.580	724.545	724.550	724.550	15
16	724.180	---	---	---	---	724.401	---	724.580	---	724.535	---	---	16
17	---	---	---	724.271	724.271	---	724.581	724.580	724.580	724.520	724.535	724.555	17
18	724.140	724.180	724.181	724.271	---	724.391	724.571	724.600	724.580	724.520	---	---	18
19	---	---	---	724.271	---	---	724.570	---	724.580	---	724.530	724.550	19
20	---	724.180	724.181	---	724.381	724.391	724.570	724.600	724.580	724.520	---	724.550	20
21	724.140	724.180	---	---	---	---	724.550	---	724.580	724.515	724.544	---	21
22	---	724.170	724.176	724.271	724.381	---	---	724.630	724.570	724.515	724.545	724.550	22
23	724.150	---	---	---	---	724.381	724.550	724.630	---	---	---	---	23
24	---	---	---	724.261	724.371	---	---	724.630	724.580	724.530	724.540	724.555	24
25	724.130	724.180	724.181	---	---	724.381	724.553	724.620	724.580	724.520	724.550	---	25
26	---	---	---	724.281	---	---	724.550	---	724.580	---	724.545	724.550	26
27	---	724.180	724.171	---	724.381	724.411	724.540	724.580	724.550	724.520	---	---	27
28	724.140	---	---	---	---	---	724.530	724.600	---	---	724.540	---	28
29	---		724.181	724.281	724.381	724.381	---	724.600	724.580	724.530	724.545	724.550	29
30	724.140		---	---	---	---	---	724.610	---	---	---	---	30
31	---		---		724.391		---	724.610		724.530		724.550	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 33 24 N
LONG 114 29 26 W

REGULATED

DRAINAGE AREA, 365 km²

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM
APPLY -001.506 m ADJUSTMENT TO CONVERT TO CANADIAN NATIONAL RAILWAYS DATUM

WABASCA RIVER AT WADLIN LAKE ROAD - STATION NO. 07JD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	16.0B	12.2 B	9.24B	9.80B	378B	284	148	88.1	116	88.7	92.5	36.1B	1
2	15.8B	12.1 B	9.19B	9.84B	412A	287	148	88.5	113	117	86.4	36.0B	2
3	15.6B	12.0 B	9.13B	9.96B	420A	287	150	108	108	138	77.7	37.7B	3
4	15.3B	11.9 B	9.08B	9.40B	414A	283	180	128	106	146	88.7	37.7B	4
5	15.0B	11.9 B	9.08B	9.84B	403A	282	218	192	104	140	86.0B	38.6B	5
6	14.8B	11.6 B	9.08B	9.80B	389A	285	233	280	88.6	148	88.2B	38.4B	6
7	14.6B	11.7 B	9.08B	10.7 B	353A	313	231	288	86.4	142	88.2B	38.1B	7
8	14.7B	11.8 B	9.08B	10.8 B	332A	328	216	244	92.0	137	83.6B	40.2B	8
9	14.8B	11.6 B	9.00B	11.0 B	324	336	203	222	88.6	134	40.2B	40.0B	9
10	14.5B	11.4 B	9.00B	12.0 B	312	328	189	203	86.6	131	31.2B	38.1B	10
11	14.4B	11.4 B	8.92B	12.4 B	307	308	178	188	83.2	128	42.1B	36.1B	11
12	14.2B	11.2 B	8.84B	13.7 B	298	287	167	178	81.0	128	84.7B	39.1B	12
13	14.2B	11.0 B	8.84B	14.2 B	281	269	158	185	78.6	126	81.7B	40.1B	13
14	14.1B	10.8 B	8.76B	15.6 B	263	241	148	166 A	76.7	124	86.3B	41.1B	14
15	14.0B	10.7 B	8.76B	16.4 B	248	223	134	152 A	73.6	122	81.3B	40.8B	15
16	13.9B	10.3 B	8.76B	16.7 B	227	211	124	145 A	72.7	118	85.0B	40.7B	16
17	13.9B	10.2 B	8.68B	21.1 B	208	198	114	138 A	78.3	118	84.2B	40.9B	17
18	13.7B	10.2 B	8.68B	28.6 B	191	188	110	133	78.8	116	83.2B	40.9B	18
19	13.4B	10.2 B	8.60B	31.5 B	177	178	110	130	78.9	114	82.4B	41.2B	19
20	13.2B	10.1 B	8.52B	35.5 B	170	173	108	128	81.2	113	81.0B	41.6B	20
21	13.1B	10.0 B	8.44B	38.1 B	202	172	102	127	83.5	112	86.9B	41.8B	21
22	13.0B	9.92B	8.44B	47.8 B	234	177	101	124	82.9	111	86.2B	40.4B	22
23	12.8B	9.84B	8.36B	66.4 B	272	183	106	124	82.4	110	85.3B	38.3B	23
24	12.6B	9.76B	8.28B	72.3 B	306	187	108	127	82.5	108	83.1B	36.6B	24
25	12.7B	9.70B	8.28B	84.2 B	333	184	110	131	81.9	106	47.4B	34.0B	25
26	12.7B	9.82B	8.20B	127 B	348	178	108	132	80.8	103	43.8B	33.2B	26
27	12.8B	9.84B	8.20B	180 B	343	168	108	128	78.2	102	38.0B	32.8B	27
28	12.8B	9.48B	8.28B	187 B	328	160	106	128	78.0	99.9	36.4B	33.1B	28
29	12.8B		8.28B	246 B	326	152	106	128	78.0	97.0	40.0B	33.8B	29
30	13.4B		8.36B	286 B	314	148	102	122	77.3	94.8B	36.6B	33.8B	30
31	13.3B		8.44B		298		98.1	117		94.3B		33.8B	31
TOTAL	429.8	302.13	269.66	1 637.86	9 421	7 059	4 640.1	4 887.6	2 800.2	3 674.4	1 706.6	1 178.3	TOTAL
MEAN	13.9	10.8	8.71	54.9	304	235	143	152	88.7	118	55.0	38.0	MEAN
MAX	16.0	13.2	9.24	286	426	339	233	288	116	148	92.5	41.8	MAX
MIN	12.3	9.48	8.20	8.80	177	148	98.1	88.1	73.7	88.7	31.2	32.8	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 103
MAXIMUM DAILY, 426A ON MAY 3
MINIMUM DAILY, 8.20B ON MAR 28
MAXIMUM INSTANTANEOUS,
430 AT 01:00 MST ON MAY 3

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 52 30 N
LONG 115 23 30 W
DRAINAGE AREA, 35 800 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	37 100	JUL	384 000
FEB	26 100	AUG	406 000
MAR	23 300	SEP	225 000
APR	141 000	OCT	317 000
MAY	814 000	NOV	147 000
JUN	610 000	DEC	102 000

TOTAL DISCHARGE, 3 230 000 dam³

WABASCA RIVER BELOW TROUT RIVER - STATION NO. 07JB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	6.768	7.368	6.378	6.848	26.1	52.4	33.1	28.9	50.7	38.8	35.78	26.58	1
2	6.888	6.858	6.828	6.828	25.3	56.6	38.4	31.8	50.6	42.1	34.68	26.28	2
3	6.198	6.468	6.888	6.848	25.7	56.8	40.4	40.2	48.7	42.7	36.18	26.78	3
4	6.318	6.308	6.028	7.178	25.7	58.0	41.3	46.9	48.9	43.2	37.48	27.08	4
5	6.178	6.388	6.808	7.848	26.6	58.2	39.9	54.2	48.0	43.4	38.98	27.18	5
6	6.928	6.668	6.718	8.208	25.9	57.4	38.7	56.4	48.9	43.6	35.88	26.88	6
7	6.808	6.788	6.738	8.878	26.0	56.1	39.0	56.9	48.8	43.6	33.88	26.88	7
8	6.698	6.648	6.788	9.118	26.8	56.7	37.8	61.2	48.8	44.3	36.18	26.88	8
9	6.188	6.538	6.818	9.808	26.3	56.7	38.2	62.6	44.9	44.3	36.88	26.48	9
10	7.888	6.558	6.818	10.6 B	26.1	58.0	37.4	63.6	43.7	44.6	37.48	24.58	10
11	7.928	6.528	6.768	10.7 B	26.3	57.0	36.3	64.4	43.1	44.8	37.88	23.88	11
12	7.488	6.698	6.808	11.0 B	25.6	55.2	35.2	64.7	42.6	45.0	37.08	25.38	12
13	7.518	6.588	6.018	11.7 B	25.2	53.6	33.8	64.7	41.6	44.8	36.18	26.28	13
14	7.688	6.518	6.088	12.3 B	24.7	51.1	32.4	63.6	40.8	45.0	36.88	26.18	14
15	7.368	6.268	6.108	13.8 B	23.8	50.0	31.2	62.6	40.1	45.6	34.68	25.78	15
16	7.128	6.028	6.088	13.6 B	23.7	48.6	30.2	61.0	39.6	45.4	34.98	25.98	16
17	7.308	5.958	6.088	13.8 B	23.0	46.7	29.1	59.6	38.0	45.1	34.18	24.48	17
18	7.888	5.858	6.048	13.8 B	22.3	44.8	28.6	57.4	36.4	45.0	34.78	21.88	18
19	7.848	5.748	6.038	14.4 B	22.3	43.4	28.6	55.6	37.8	44.7	35.88	20.48	19
20	8.008	5.838	6.838	16.3 B	26.3	43.8	28.2	54.0	37.1	44.6	33.88	19.88	20
21	8.188	5.408	6.848	16.6 B	30.4	44.2	29.8	53.6	37.2	44.3	32.48	18.88	21
22	8.308	5.138	6.838	16.3 B	36.0	43.3	31.6	51.6	36.8	43.8	30.68	20.08	22
23	8.118	4.888	6.828	22.8 B	38.3	41.3	31.6	51.6	36.6	43.6	29.38	20.78	23
24	8.248	4.868	6.838	28.4 B	40.7	38.8	29.8	51.6	36.6	42.8	28.68	21.48	24
25	8.298	4.888	6.878	28.0 B	42.0	38.8	29.6	51.6	35.4	42.6	28.28	21.48	25
26	8.318	5.038	6.738	27.0 B	43.6	37.8	30.4	50.3	34.8	42.4	27.08	21.38	26
27	8.328	5.078	6.738	26.7 B	48.2	36.8	29.8	48.2	34.2	41.6	26.38	21.48	27
28	8.388	5.198	6.788	24.3	48.0	35.6	29.2	50.0	33.6	41.6	25.48	21.88	28
29	8.588		6.788	24.7	49.6	35.1	28.0	51.6	33.4	40.8	26.28	22.08	29
30	8.078		6.788	25.0	49.6	34.1	28.0	51.6	35.6	39.88	26.88	22.48	30
31	8.928		6.848		50.7		29.3	50.6		38.58		22.58	31
TOTAL	252.58	168.82	180.27	446.80	976.6	1 454.6	1 027.8	1 878.1	1 229.4	1 344.6	884.2	734.4	TOTAL
MEAN	8.15	6.02	5.83	15.0	31.5	48.5	33.1	84.1	41.0	43.4	33.1	23.7	MEAN
MAX	9.21	7.36	6.10	28.0	50.7	58.0	41.3	64.7	50.7	45.6	38.1	27.1	MAX
MIN	6.82	4.86	6.37	6.84	22.3	34.1	28.2	28.9	33.4	38.6	26.3	19.8	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 28.7
MAXIMUM DAILY, 64.7 ON AUG 12
MINIMUM DAILY, 4.868 ON FEB 24
MAXIMUM INSTANTANEOUS,
64.7 AT 15:00 MST ON AUG 12

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 10 27 N
LONG 113 47 10 W
DRAINAGE AREA, 14 300 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	21 800	JUL	88 800
FEB	14 800	AUG	145 000
MAR	15 800	SEP	105 000
APR	38 800	OCT	116 000
MAY	84 400	NOV	85 800
JUN	126 000	DEC	63 800

TOTAL DISCHARGE, 905 000 dam³

WABASH CREEK NEAR PIBROCH - STATION NO. 07BC007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0 B	0.004	0.004	0.004	0.001	0	0	---	---	1
2	---	---	0	0 B	0.003	0.023	0.002	0.001	0	0	---	---	2
3	---	---	0	0 B	0.003	0.018	0	0.001	0	0	---	---	3
4	---	---	0	0 B	0.003	0.008	0	0.001	0	0	---	---	4
5	---	---	0	0.0088	0.002	0.002	0	0.001	0	0	---	---	5
6	---	---	0	0.8488	0.002	0.001	0	0.001	0	0	---	---	6
7	---	---	0	2.62 B	0.003	0.001	0	0	0	0	---	---	7
8	---	---	0	3.18 B	0.001	0.001	0.001	0	0	0	---	---	8
9	---	---	0	3.31 B	0.001	0.001	0.178	0	0	0	---	---	9
10	---	---	0	3.11 B	0.002	0.005	0.088	0	0	0	---	---	10
11	---	---	0	3.36 B	0.003	0.006	0.312	0	0	0	---	---	11
12	---	---	0	3.27 B	0.002	0.006	0.221	0	0	0	---	---	12
13	---	---	0	3.14 B	0.002	0.003	0.148	0	0	0	---	---	13
14	---	---	0	1.88	0.002	0.034	0.108	0	0	0	---	---	14
15	---	---	0	1.15	0.002	0.103	0.078	0	0	0	---	---	15
16	---	---	0	0.878	0.002	0.182	0.081	0	0	0	---	---	16
17	---	---	0	0.883	0.004	0.188	0.127	0	0	0	---	---	17
18	---	---	0	0.481	0.008	0.180	0.087	0	0	0	---	---	18
19	---	---	0	0.342	0.018	0.187	0.081	0	0	0	---	---	19
20	---	---	0	0.222	0.073	0.180	0.088	0	0	0	---	---	20
21	---	---	0B	0.101	0.048	0.181	0.088	0	0	0.081	---	---	21
22	---	0B	0B	0.115	0.044	0.148	0.041	0	0	0.411	---	---	22
23	---	0	0B	0.148	0.053	0.136	0.018	0	0	0.445	---	---	23
24	---	0	0B	0.025	0.090	0.082	0.003	0	0	0.431	---	---	24
25	---	0	0B	0.004	0.074	0.007	0.001	0	0	0.406	---	---	25
26	---	0	0B	0.008	0.083	0.003	0.004	0	0	0.361	---	---	26
27	---	0	0B	0.004	0.042	0.003	0.004	0	0	0.348	---	---	27
28	---	0	0B	0.004	0.041	0.003	0.003	0	0	0.308	---	---	28
29	---		0B	0.008	0.017	0.008	0.010	0	0	0.282	---	---	29
30	---		0B	0.007	0.010	0.008	0.008	0	0	0.138	---	---	30
31	---		0B		0.007		0.002	0		0.0608		---	31
TOTAL	---	---	0	27.238	0.883	1.848	1.722	0.008	0	3.288	---	---	TOTAL
MEAN	---	---	0	0.908	0.031	0.083	0.088	0	0	0.108	---	---	MEAN
MAX	---	---	0	3.38	0.083	0.188	0.313	0.001	0	0.445	---	---	MAX
MIN	---	---	0	0	0.001	0.001	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.161
MAXIMUM DAILY, 3.388 ON APR 11
MINIMUM DAILY, 0 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 13 27 N
LONG 113 55 26 W
DRAINAGE AREA, 330 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	148
FEB	---	AUG	0.82
MAR	0	SEP	0
APR	2 380	OCT	281
MAY	97.3	NOV	---
JUN	137	DEC	---

TOTAL DISCHARGE, 2 970 dam³

WABATANISK CREEK AT HIGHWAY NO. 878 - STATION NO. 07EH005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.877	1.89	0.009	0.001	0.011	0.136	---	---	1
2	---	---	0B	0 B	0.488	1.85	0.041	0.010	0.008	0.117	---	---	2
3	---	---	0B	0.0018	0.418	1.40	0.081	0.004	0.008	0.103	---	---	3
4	---	---	0B	0.0038	0.388	1.22	0.060	0.040	0.008	0.094	---	---	4
5	---	---	0B	0.0038	0.338	1.04	0.037	0.030	0.007	0.101	---	---	5
6	---	---	0B	0.0058	0.278	0.868	0.023	0.028	0.007	0.109	---	---	6
7	---	---	0B	0.0068	0.284	0.780	0.014	0.014	0.007	0.100	---	---	7
8	---	---	0B	0.0908	0.258	0.722	0.026	0.009	0.006	0.083	---	---	8
9	---	---	0B	0.8108	0.188	0.688	0.024	0.006	0.005	0.072	---	---	9
10	---	---	0B	1.73 B	0.207	0.580	0.018	0.038	0.004	0.085	---	---	10
11	---	---	0B	1.36 B	0.188	0.508	0.024	0.045	0.004	0.084	---	---	11
12	---	---	0B	0.8458	0.178	0.386	0.018	0.090	0.003	0.082	---	---	12
13	---	---	0B	0.2808	0.183	0.308	0.010	0.038	0.003	0.083	---	---	13
14	---	---	0B	0.2408	0.165	0.302	0.008	0.024	0.003	0.080	---	---	14
15	---	---	0B	0.2108	0.108	0.182	0.007	0.018	0.003	0.043	---	---	15
16	---	---	0B	0.1768	0.091	0.120	0.007	0.010	0.007	0.038	---	---	16
17	---	---	0B	0.2208	0.093	0.078	0.006	0.014	0.016	0.035	---	---	17
18	---	---	0B	0.3108	0.155	0.047	0.006	0.012	0.010	0.034	---	---	18
19	---	---	0B	0.3388	3.36 A	0.027	0.006	0.012	0.018	0.034	---	---	19
20	---	---	0B	0.4808	21.0 A	0.014	0.004	0.014	0.017	0.029	---	---	20
21	---	---	0B	0.888	21.2 A	0.013	0.003	0.010	0.017	0.026	---	---	21
22	---	---	0B	0.780	10.8	0.012	0.002	0.028	0.012	0.030	---	---	22
23	---	---	0B	0.685	7.08	0.011	0.001	0.033	0.012	0.031	---	---	23
24	---	0B	0B	0.583	4.22 A	0.010	0.001	0.025	0.011	0.033	---	---	24
25	---	0B	0B	0.610	3.88 A	0.008	0.001	0.026	0.011	0.041	---	---	25
26	---	0B	0B	0.593	3.25 A	0.007	0.001	0.045	0.009	0.038	---	---	26
27	---	0B	0B	0.548	3.35	0.007	0.001	0.032	0.008	0.031	---	---	27
28	---	0B	0B	0.583	2.90	0.010	0.001	0.028	0.007	0.033	---	---	28
29	---		0B	0.542	2.58	0.008	0.001	0.027	0.007	0.027	---	---	29
30	---		0B	0.651	2.36	0.008	0.001	0.018	0.061	0.026	---	---	30
31	---		0B		2.04		0.001	0.014		0.032A			31
TOTAL	---	---	0	13.008	93.419	13.780	0.410	0.773	0.308	1.780	---	---	TOTAL
MEAN	---	---	0	0.434	3.98	0.428	0.013	0.025	0.010	0.057	---	---	MEAN
MAX	---	---	0	1.73	21.2	1.89	0.059	0.084	0.061	0.136	---	---	MAX
MIN	---	---	0	0	0.091	0.007	0.001	0.001	0.003	0.027	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.498
MAXIMUM DAILY, 21.2A ON MAY 21
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
43.8 AT 23:30 MST ON MAY 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 28 30 N
LONG 117 21 30 W
DRAINAGE AREA, 127 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	35.4
FEB	---	AUG	66.6
MAR	0	SEP	26.7
APR 1 120		OCT	184
MAY 7 880		NOV	---
JUN 1 100		DEC	---

TOTAL DISCHARGE, 10 800 dam³

REMARKS - PEAK DISCHARGE WAS DERIVED FROM HIGH WATER MARK

WAINSCOTT COULEE NEAR BROWNVALE - STATION NO. 07FD014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.018	0.041	0.001	0	0.017	0.017	0.018	---	1
2	---	---	0B	0 B	0.017	0.036	0.001	0	0.018	0.017	0.018	---	2
3	---	---	0B	0 B	0.018	0.031	0.001	0	0.016	0.017	0.022A	---	3
4	---	---	0B	0 B	0.017	0.028	0.003	0	0.014	0.016	---	---	4
5	---	---	0B	0 B	0.018	0.025	0.003	0	0.014	0.018	---	---	5
6	---	---	0B	0 B	0.030	0.021	0.002	0	0.017	0.018	---	---	6
7	---	---	0B	0 B	0.030	0.021	0.001	0	0.018	0.018	---	---	7
8	---	---	0B	0.0018	0.020	0.021	0.001	0	0.014	0.018	---	---	8
9	---	---	0B	0.0038	0.019	0.019	0	0	0.012	0.018	---	---	9
10	---	---	0B	0.0408	0.021	0.019	0	0	0.010	0.020	---	---	10
11	---	---	0B	1.45 B	0.021	0.017	0	0	0.008	0.022	---	---	11
12	---	---	0B	5.00 E	0.018	0.014	0	0	0.007	0.021	---	---	12
13	---	---	0B	3.83 A	0.017	0.011	0	0	0.004	0.022	---	---	13
14	---	---	0B	2.15	0.018	0.008	0	0	0.004	0.021	---	---	14
15	---	---	0B	1.32	0.015	0.008	0	0	0.004	0.019	---	---	15
16	---	---	0B	0.5838	0.015	0.008	0	0	0.004	0.018	---	---	16
17	---	---	0B	0.3798	0.015	0.006	0	0	0.005	0.018	---	---	17
18	---	---	0B	0.457	0.013	0.006	0	0	0.005	0.018	---	---	18
19	---	---	0B	0.383	0.021	0.004	0	0	0.004	0.019	---	---	19
20	---	0B	0B	0.308	0.038	0.003	0	0	0.004	0.020	---	---	20
21	---	0B	0B	0.238	0.070	0.003	0	0	0.003	0.021	---	---	21
22	---	0B	0B	0.183	0.078	0.002	0	0	0.003	0.022	---	---	22
23	---	0B	0B	0.134	0.078	0.002	0	0.004	0.003	0.021	---	---	23
24	---	0B	0B	0.072	0.070	0.003	0	0.013	0.002	0.022	---	---	24
25	---	0B	0B	0.080	0.064	0.002	0	0.012	0.002	0.022	---	---	25
26	---	0B	0B	0.042	0.002	0.001	0	0.012	0.002	0.022	---	---	26
27	---	0B	0B	0.038	0.002	0.001	0	0.012	0.002	0.022	---	---	27
28	---	0B	0B	0.028	0.088	0.002	0	0.018	0.002	0.020	---	---	28
29	---		0B	0.022	0.088	0.001	0	0.018	0.003	0.028	---	---	29
30	---		0B	0.020	0.062	0.001	0	0.018	0.014	0.022	---	---	30
31	---		0B		0.048		0	0.018		0.020			31
TOTAL	---	---	0	18.711	1.088	0.370	0.013	0.123	0.231	0.631	---	---	TOTAL
MEAN	---	---	0	0.657	0.034	0.012	0	0.004	0.008	0.020	---	---	MEAN
MAX	---	---	0	5.00	0.078	0.041	0.003	0.018	0.017	0.028	---	---	MAX
MIN	---	---	0	0	0.013	0.001	0	0	0.002	0.017	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.078
MAXIMUM DAILY, 5.00E ON APR 12
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 01 37 N
LONG 117 58 08 W
DRAINAGE AREA, 148 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1.12
FEB	---	AUG	10.8
MAR	0	SEP	20.0
APR 1 440		OCT	63.7
MAY	92.4	NOV	---
JUN	32.0	DEC	---

TOTAL DISCHARGE, 1 850 dam³

WAIPAROUS CREEK NEAR THE MOUTH - STATION NO. 05BC008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.482B	0.380B	0.380B	0.340B	8.01	3.36	2.27	1.98	5.42	2.13	1.10 B	1.08 B	1
2	0.482B	0.320B	0.380B	0.335B	7.42	3.26	1.98	2.97	5.30	2.00	1.20 B	1.16 B	2
3	0.485B	0.310B	0.348B	0.330B	4.71	2.81	1.77	2.31	9.83	1.90	1.31 B	1.31 B	3
4	0.462B	0.310B	0.380B	0.330B	4.82	2.54	1.86	2.08	7.84	1.88	1.20	1.38 B	4
5	0.480B	0.320B	0.388B	0.325B	4.89	3.08	1.73	2.04	7.19	1.88	0.80A	1.24 B	5
6	0.475B	0.345B	0.410B	0.335B	7.45	3.20	1.84	2.21	6.16	1.88	0.881	1.02 B	6
7	0.480B	0.358B	0.420B	0.340B	8.97	2.75	1.44	1.97	5.56	1.81	1.00	0.8138	7
8	0.445B	0.400B	0.400B	0.345B	8.05	2.45	1.39	2.02	5.81	1.77	0.883	0.8708	8
9	0.485B	0.400B	0.380B	0.350B	5.75	3.34	1.43	1.98	5.27	1.72	1.24	0.8408	9
10	0.500B	0.385B	0.390B	0.360B	5.58	4.82	1.88	2.37	4.80	1.78	1.32	0.8508	10
11	0.488B	0.380B	0.380B	0.378B	4.72	5.23	4.12	2.0%	4.80	1.84	1.05 B	0.8008	11
12	0.488B	0.388B	0.380B	0.488B	3.15	3.48	2.88	1.90	4.06	1.78	0.8208	0.8708	12
13	0.480B	0.388B	0.360B	0.550B	2.86	3.00	2.18	1.83	3.78	1.71	0.8008	0.7108	13
14	0.488B	0.378B	0.368B	0.480B	2.27	2.81	1.87	1.78	3.56	1.68	0.8208	0.7308	14
15	0.480B	0.380B	0.370B	1.08 B	2.16	2.42	1.87	2.31	3.31	1.63	0.8508	0.7108	15
16	0.478B	0.345B	0.388B	0.840E	2.25	3.42	3.84	4.86	3.23	1.88	0.8408	0.8808	16
17	0.478B	0.340B	0.358B	0.430E	2.33	4.08	2.78	12.6	3.80	1.80	0.8808	0.8508	17
18	0.472B	0.350B	0.348B	0.800E	2.29	3.26	2.38	11.2	3.23	1.58	1.18 B	0.8008	18
19	0.488B	0.358B	0.340B	1.40 E	1.77	2.87	1.86	9.78	2.88	1.85	1.48 B	0.4408	19
20	0.470B	0.378B	0.338B	2.36 A	1.56	2.31	1.82	8.63	2.66	1.81	1.36 B	0.4108	20
21	0.478B	0.400B	0.330B	3.51	1.48	2.13	1.72	6.77	2.52	1.47	1.12 B	0.3808	21
22	0.488B	0.438B	0.330B	3.00	1.44	2.03	1.60	5.06	2.42	1.43	0.4808	0.4508	22
23	0.480B	0.458B	0.330B	2.15	1.58	2.17	1.48	4.06	2.48	1.38	0.8108	0.7008	23
24	0.430B	0.430B	0.328B	1.85	1.71	2.17	1.45	3.59	2.38	1.40	0.8708	0.8808	24
25	0.440B	0.400B	0.328B	1.92	1.74	3.38	1.42	3.84	2.27	1.38	0.8808	0.8008	25
26	0.488B	0.420B	0.320B	1.86	1.88	3.28	1.38	3.78	2.22	1.35	0.9008	0.9108	26
27	0.480B	0.408B	0.338B	1.43	1.87	3.88	1.32	3.83	2.17	1.33	0.8408	0.9208	27
28	0.480B	0.380B	0.338B	1.77	2.38	2.81	5.36	5.84	2.11	1.31	0.8008	0.7008	28
29	0.430B		0.330B	3.74	2.05	2.41	2.84	5.24	2.08	1.28	1.20 B	0.6408	29
30	0.415B		0.324B	8.42	1.95	2.27	2.18	5.85	2.08	1.34	1.13 B	0.6308	30
31	0.390B		0.336B		2.28		1.83	5.18		1.028		0.6208	31
TOTAL	14.381	10.827	10.887	38.983	107.00	88.88	66.66	133.33	120.08	49.81	27.772	23.183	TOTAL
MEAN	0.464	0.376	0.365	1.33	3.45	3.00	2.12	4.37	4.00	1.81	0.926	0.747	MEAN
MAX	0.500	0.485	0.420	8.42	8.01	8.33	8.36	12.6	9.83	2.13	1.68	1.38	MAX
MIN	0.380	0.310	0.320	0.325	1.44	2.03	1.32	1.78	2.08	1.02	0.480	0.390	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.88
MAXIMUM DAILY, 12.6 ON AUG 17
MINIMUM DAILY, 0.310B ON FEB 3
MAXIMUM INSTANTANEOUS,
15.0 AT 21:27 MST ON AUG 17

SUMMARY FOR THE YEAR 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 16 58 N
LONG 114 50 16 W
DRAINAGE AREA, 334 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 240	JUL	5 870
FEB	810	AUG	11 400
MAR	980	SEP	10 400
APR	3 480	OCT	4 300
MAY	9 240	NOV	2 400
JUN	7 780	DEC	2 000

TOTAL DISCHARGE, 59 800 dam³

WAMPUS CREEK NEAR HINTON - STATION NO. 07AF003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.570B	1.11 B	0.532	0.324	0.224	0.848	0.360	0.1728	---	1
2	---	---	---	0.570B	1.21 B	0.458	0.278	0.673	0.721	0.328	---	---	2
3	---	---	---	0.570B	1.27 B	0.423	0.268	0.840	0.805	0.300	---	---	3
4	---	---	---	0.570B	1.15 B	0.378	0.284	0.408	0.803	0.288	---	---	4
5	---	---	---	0.587B	1.18 B	0.338	0.883	0.484	0.488	0.282	---	---	5
6	---	---	---	0.583B	1.09	0.315	0.385	0.306	0.444	0.281	---	---	6
7	---	---	---	0.580B	0.888	0.317	0.317	0.248	0.604	0.259	---	---	7
8	---	---	---	0.588B	0.681	0.281	1.11	0.225	0.598	0.243	---	---	8
9	---	---	---	0.583B	0.758	0.260	1.72	0.205	0.598	0.227	---	---	9
10	---	---	---	0.648B	0.702	0.839	3.77	0.211	0.488	0.283	---	---	10
11	---	---	---	0.648B	0.681	0.724	2.42	0.171	0.388	0.241	---	---	11
12	---	---	---	0.648B	0.617	0.527	2.36	0.158	0.364	0.311	---	---	12
13	---	---	---	0.648B	0.438	0.448	1.80	0.153	0.333	0.274	---	---	13
14	---	---	---	0.648B	0.385	0.400	1.24	0.139	0.306	0.2668	---	---	14
15	---	---	---	0.648B	0.376	0.372	1.03	0.314	0.288	0.2348	---	---	15
16	---	---	---	0.647B	0.381	0.383	0.858	1.63	0.467	0.2178	---	---	16
17	---	---	---	0.650B	0.381	0.336	0.887	5.01	0.701	0.3238	---	---	17
18	---	---	---	0.665B	0.467	0.276	0.671	3.32	0.587	0.244	---	---	18
19	---	---	---	0.680B	0.503	0.264	0.475	2.38	0.703	0.260	---	---	19
20	---	---	---	0.687B	0.648	0.238	0.428	1.78	1.06	0.232	---	---	20
21	---	---	---	0.685B	0.885	0.228	0.384	1.52	0.888	0.228	---	---	21
22	---	---	---	0.1158	0.857	0.227	0.480	1.26	0.828	0.232	---	---	22
23	---	---	---	0.2118	0.488	0.265	0.315	0.987	0.720	0.215	---	---	23
24	---	---	---	0.3528	0.539	0.238	0.324	0.804	0.628	0.212	---	---	24
25	---	---	---	0.4348	0.770	0.232	0.277	0.788	0.648	0.211	---	---	25
26	---	---	---	0.4078	0.580	0.208	0.241	1.03	0.488	0.198	---	---	26
27	---	---	---	0.5818	0.648	0.774	0.216	0.881	0.483	0.193	---	---	27
28	---	---	---	0.6848	0.780	0.720	0.184	0.713	0.401	0.1738	---	---	28
29	---		---	1.36 B	0.883	0.484	0.238	0.830	0.370	0.1488	---	---	29
30	---		---	1.28 B	0.617	0.389	0.228	1.08	0.414	0.1368	---	---	30
31	---		---		0.582		0.327	0.893		0.1208			31
TOTAL	---	---	---	8.844	22.010	11.816	23.017	29.888	18.784	7.818	---	---	TOTAL
MEAN	---	---	---	0.231	0.710	0.387	0.742	0.863	0.659	0.242	---	---	MEAN
MAX	---	---	---	1.36	1.27	0.839	2.77	5.01	1.06	0.360	---	---	MAX
MIN	---	---	---	0.045	0.381	0.208	0.184	0.138	0.288	0.120	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.550
MAXIMUM DAILY, 5.01 ON AUG 17
MINIMUM DAILY, 0.045B ON APR 14
MAXIMUM INSTANTANEOUS,
8.28 AT 22:00 MST ON AUG 16

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 05 22 N
LONG 117 15 40 W
DRAINAGE AREA, 35.4 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 980
FEB	---	AUG	2 550
MAR	---	SEP	1 450
APR	800	OCT	648
MAY	1 800	NOV	---
JUN	1 030	DEC	---

TOTAL DISCHARGE, 10 200 dam³

WANDERING RIVER NEAR WANDERING RIVER - STATION NO. 07CA006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.2218	0.2008	0.1558	0.0808	5.61	8.83	8.16	5.37	4.14	1.87	1.44	0.778	1
2	0.2358	0.1878	0.1388	0.0708	5.43	8.83	8.20	5.70	4.34	1.70	1.48	0.8618	2
3	0.2268	0.1788	0.1418	0.0648	5.84	8.18	8.33	6.08	4.52	1.83	1.47	0.8028	3
4	0.2078	0.1718	0.1228	0.0858	5.30	7.48	7.08	5.88	4.56	1.85	1.48	0.8468	4
5	0.2078	0.1728	0.1288	0.0618	5.84	8.83	7.87	8.07	4.47	1.77	1.58	0.8708	5
6	0.2028	0.1658	0.1238	0.0618	5.85	8.81	8.27	8.88	4.47	1.82	1.58	0.8268	6
7	0.1908	0.1858	0.1248	0.0478	5.85	8.85	8.72	11.0	4.58	1.84	1.58	0.8218	7
8	0.1888	0.1818	0.1188	0.0428	5.36	8.86	8.87	11.4	4.38	1.88	1.70	0.8058	8
9	0.1838	0.1818	0.1168	0.0528	4.77	8.28	8.76	11.2	4.06	1.80	1.88	0.8478	9
10	0.1708	0.1838	0.1308	0.0648	4.67	8.38	8.28	10.6	3.72	1.82	1.88	0.8748	10
11	0.1888	0.1388	0.1248	0.0578	4.82	8.44	7.85	8.74	3.42	1.85	1.85	0.8428	11
12	0.1588	0.1438	0.1168	0.0888	4.47	8.47	7.13	8.84	3.30	1.88	1.84	0.8248	12
13	0.1808	0.1418	0.1148	0.104	4.18	8.22	8.40	8.10	3.10	1.88	1.48	0.8988	13
14	0.1578	0.1378	0.1138	0.124	3.80	8.28	8.88	8.89	3.21	1.86	1.80	0.8638	14
15	0.1858	0.1438	0.1078	0.182	3.87	8.88	8.18	8.17	2.78	1.72	1.44	0.8978	15
16	0.1438	0.1488	0.1178	0.216	3.87	8.18	4.70	8.84	2.78	1.88	1.38	0.8788	16
17	0.1828	0.1468	0.1118	0.278	3.38	4.83	4.83	8.21	2.74	1.32	1.33	0.8878	17
18	0.1428	0.1408	0.1088	0.348	2.81	4.78	4.17	4.80	2.40	1.48	1.28	0.8348	18
19	0.1438	0.1328	0.0848	0.412	3.88	4.87	3.88	4.34	2.44	1.47	1.23	0.8128	19
20	0.1388	0.1328	0.0888	0.880	3.78	8.12	3.74	4.01	2.37	1.43	1.21	0.4918	20
21	0.1408	0.1288	0.0838	0.788	4.38	8.21	3.78	4.00	2.48	1.48	1.18	0.4788	21
22	0.1468	0.1328	0.0778	1.18	8.82	8.84	3.47	3.78	2.08	1.48	1.12	0.4888	22
23	0.1428	0.1258	0.0758	1.83	7.45	8.03	3.06	3.84	2.23	1.47	1.12	0.4488	23
24	0.1408	0.1268	0.0858	2.80	8.58	8.40	3.11	3.82	2.20	1.88	1.10	0.4438	24
25	0.1388	0.1378	0.0888	4.02	11.3	8.83	3.18	3.58	2.08	1.44	1.08	0.4448	25
26	0.1388	0.1388	0.0788	4.81	12.8	8.87	3.22	3.54	1.88	1.37	1.02	0.4388	26
27	0.1388	0.1418	0.0478	5.88	13.0	8.82	3.81	3.28	2.04	1.42	0.977	0.4888	27
28	0.1238	0.1888	0.0888	5.01	12.8	8.85	4.41	3.41	1.84	1.82	0.881	0.4888	28
29	0.1238		0.0808	5.27	12.0	8.24	4.84	3.46	1.83	1.80	0.908	0.4538	29
30	0.1858		0.0838	5.38	11.2	8.88	8.14	3.88	1.83	1.87	0.842	0.4428	30
31	0.1878		0.0828		10.4		8.36	3.89		1.34		0.4288	31
TOTAL	8.137	4.174	3.258	42.889	206.40	183.82	172.96	190.00	82.42	49.03	39.888	18.858	TOTAL
MEAN	0.188	0.149	0.105	1.43	6.66	8.12	5.84	8.13	3.08	1.58	1.33	0.634	MEAN
MAX	0.238	0.300	0.185	8.38	13.0	8.83	8.87	11.4	4.58	1.88	1.70	0.778	MAX
MIN	0.123	0.128	0.088	0.042	2.81	4.78	3.08	3.28	1.83	1.32	0.842	0.428	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.76
MAXIMUM DAILY, 13.0 ON MAY 27
MINIMUM DAILY, 0.0428 ON APR 6
MAXIMUM INSTANTANEOUS,
13.2 AT 19:08 MST ON MAY 28

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 68 11 57 N
LONG 112 27 58 W
DRAINAGE AREA, 1 110 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	444	JUL	14 900
FEB	381	AUG	18 400
MAR	281	SEP	7 880
APR	3 710	OCT	4 240
MAY	17 800	NOV	3 490
JUN	16 900	DEC	1 430

TOTAL DISCHARGE, 88 800 dam³

WAPITI RIVER NEAR GRANDE PRAIRIE - STATION NO. 07GE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	11.8 B	7.358	6.778	7.308	111	348	240	88.0	203	85.2	38.0	29.38	1
2	11.8 B	7.178	6.858	7.328	126	406	238	87.0	187	71.2	41.8	28.48	2
3	11.4 B	8.448	6.488	7.718	126	378	236	233	187	66.3	44.2	28.88	3
4	11.1 B	8.178	6.648	8.138	137	346	218	314	148	62.3	43.0	30.08	4
5	11.0 B	8.298	6.658	8.848	162	383	203	248	134	58.8	48.0	32.88	5
6	10.0 B	8.908	6.688	8.028	188	384	190	208	171	56.8	46.8	28.38	6
7	8.008	7.328	6.008	11.4 B	250	366	173	178	210	58.2	44.2	28.38	7
8	8.498	7.718	6.408	8.188	282	308	170	158	188	58.3	40.6	29.88	8
9	8.438	7.688	6.648	8.688	300	283	223	185	178	53.5	42.5	28.58	9
10	8.498	7.858	6.788	10.8 B	308	844	337	188	180	51.8	43.8	30.28	10
11	8.808	7.888	6.808	12.7 B	308	801	332	234	143	52.2	38.88	31.18	11
12	8.678	7.388	6.648	14.1 B	288	487	288	221	138	52.6	32.88	24.38	12
13	8.628	7.388	6.248	13.4 B	318	442	288	211	118	51.8	28.88	24.48	13
14	8.858	7.118	6.708	13.4 B	178	400	338	217	108	50.1	28.48	38.88	14
15	8.718	7.338	6.888	15.4 B	187	388	280	204	88.7	47.8	24.08	38.88	15
16	8.358	7.408	6.808	15.3 B	173	338	270	228	88.8	46.0	21.88	38.88	16
17	8.708	7.388	6.808	16.1 B	184	288	285	225	87.0	42.8	26.08	33.78	17
18	8.148	7.338	6.368	20.8 B	201	245	258	288	84.3	40.5	28.88	29.08	18
19	8.148	7.078	6.508	22.8 B	188	232	223	282	81.7	42.6	32.88	32.78	19
20	8.898	8.848	6.408	27.4 B	188	187	188	248	80.1	88.1	34.28	33.38	20
21	8.538	8.978	8.078	31.2 B	175	178	181	215	78.8	88.5	34.88	32.88	21
22	8.888	8.898	8.188	41.8 B	178	184	192	188	78.8	82.4	34.18	28.88	22
23	8.618	8.758	8.238	51.1 B	188	188	185	880	78.3	88.5	36.28	33.38	23
24	8.848	8.888	8.408	51.1 B	171	188	151	803	72.1	87.7	38.28	38.08	24
25	8.618	7.288	8.808	47.8 B	188	183	187	870	88.7	88.8	32.28	44.88	25
26	7.528	7.288	8.408	51.2	208	171	148	448	85.1	84.0	27.88	53.08	26
27	7.868	7.388	8.208	88.3	228	207	128	378	81.8	82.5	28.88	51.88	27
28	7.528	7.238	8.208	86.7	228	288	112	322	88.3	80.8	26.88	48.08	28
29	7.418		8.088	78.8	202	304	103	288	88.7	48.0	28.08	50.38	29
30	7.538		7.208	88.8	188	288	93.8	288	87.4	48.7	28.08	48.48	30
31	7.508		7.388		242		90.7	234		41.2		48.28	31
TOTAL	280.58	200.02	201.08	828.85	8 281	8 842	8 388.5	8 572.0	3 431.4	1 888.1	1 032.8	1 088.1	TOTAL
MEAN	9.05	7.14	6.48	27.7	202	318	208	277	114	84.5	34.4	35.3	MEAN
MAX	11.8	7.98	7.38	88.8	308	844	337	803	210	71.2	48.8	53.0	MAX
MIN	7.41	8.17	5.88	7.20	111	184	90.7	87.0	88.7	40.8	21.8	24.3	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 108
MAXIMUM DAILY, 803 ON AUG 24
MINIMUM DAILY, 5.888 ON MAR 8
MAXIMUM INSTANTANEOUS,
1 120 AT 01:00 MST ON AUG 24

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 04 20 N
LONG 118 48 10 W
DRAINAGE AREA, 11 300 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	24 200	JUL	852 000
FEB	17 300	AUG	741 000
MAR	17 400	SEP	298 000
APR	71 700	OCT	148 000
MAY	841 000	NOV	88 200
JUN	824 000	DEC	94 600

TOTAL DISCHARGE, 3 410 000 dam³

WASKAHIGAN RIVER NEAR THE MOUTH - STATION NO. 07GC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.3488	0.2288	0.2218	0.3638	10.4	8.88	33.0	6.01	7.28A	3.83	2.27	3.088	1
2	0.3438	0.2288	0.2248	0.3738	9.18	7.72	120	6.45	6.30A	3.14	2.38	2.108	2
3	0.3308	0.2288	0.2268	0.3828	8.72	6.73	131	14.7	5.84A	3.13	2.70	2.118	3
4	0.3188	0.2328	0.2288	0.4308	8.08	6.20	81.2	58.7	5.80	3.02	2.63	2.108	4
5	0.3108	0.2328	0.2328	0.4708	8.58	5.33	47.5	51.8	5.13A	2.85	2.308	2.048	5
6	0.3068	0.2288	0.2288	0.5408	8.17	4.83	38.1	41.3	4.78A	2.88	2.378	2.018	6
7	0.2888	0.2288	0.2288	0.5918	7.88A	4.57	30.3	34.3	4.68A	2.81	2.238	1.948	7
8	0.2808	0.2248	0.2508	0.6888	7.20A	4.51	26.4	28.8	4.37A	2.72	2.138	1.788	8
9	0.2858	0.2218	0.3008	0.7518	6.18A	4.57	80.4	23.8 A	4.43	2.81	2.038	1.888	9
10	0.2788	0.2188	0.3008	0.7838	4.82A	25.2	70.2	19.0 A	5.78	2.61	2.038	1.848	10
11	0.2788	0.2148	0.2808	0.6818	4.04	34.2	57.8	14.8 A	6.23	2.48	2.008	1.488	11
12	0.2708	0.2148	0.2608	1.06 B	3.73	32.8	37.6	13.3 A	4.88	2.46	2.008	1.428	12
13	0.2708	0.2188	0.2308	1.57 B	3.54	18.0	24.6	10.4	4.22	2.38	2.018	1.418	13
14	0.2688	0.2148	0.2128	2.40 B	3.20	11.6 A	17.3	8.83	3.82	2.31	2.018	1.508	14
15	0.2688	0.2188	0.2128	2.19 B	2.80	8.01A	14.3	8.64	3.83	2.28	1.978	1.528	15
16	0.2628	0.2158	0.2158	1.37 B	2.87	7.84A	13.0 A	7.88A	3.38	2.07	1.878	1.488	16
17	0.2648	0.2158	0.2188	3.78 B	3.43	7.58A	11.8 A	7.38A	3.38	1.828	2.088	1.478	17
18	0.2648	0.2158	0.2188	3.88 B	2.82	6.88A	10.8 A	10.3	3.27	2.288	2.378	1.438	18
19	0.2628	0.2128	0.2248	3.28 B	26.2	6.03A	10.7 A	11.8	3.22	2.34	2.378	1.348	19
20	0.2488	0.2128	0.2248	2.88 B	84.2	5.33A	11.3	10.6	3.16	2.36	2.378	1.288	20
21	0.2488	0.2128	0.2288	3.36 B	104	4.78	11.4	8.96	3.15	2.42	2.388	1.158	21
22	0.2438	0.2088	0.2328	4.81 B	73.6 A	4.41	11.8	8.87	3.13	2.46	2.448	1.098	22
23	0.2418	0.2088	0.3008	5.05 B	48.7 A	4.06	11.3 A	8.12	3.03	2.41	2.428	1.128	23
24	0.2358	0.2088	0.3808	5.32 B	33.7	3.80	9.11A	10.4	2.93	2.34	2.328	1.188	24
25	0.2328	0.2088	0.3508	4.83 B	25.8	3.47	8.98A	8.64	2.73	2.30	2.328	1.208	25
26	0.2328	0.2088	0.3008	4.87 B	21.9	3.28	8.60	8.48	2.85	2.28	2.238	1.258	26
27	0.2288	0.2088	0.2628	4.74 B	19.5	3.88	8.18	7.88	2.84	2.26	2.208	1.268	27
28	0.2288	0.2188	0.2808	5.00 B	17.8	132.8	7.31	8.00	2.48	2.20	2.138	1.288	28
29	0.2268		0.2878	5.78 B	16.8	22.3	8.26	8.07	2.40	1.728	2.118	1.218	29
30	0.2288		0.3458	8.89 B	13.0	18.7	5.84	8.01	2.88	1.618	2.068	1.188	30
31	0.2348		0.3528		10.4		5.43	8.36		1.668		1.188	31
TOTAL	8.282	5.108	8.045	84.190	600.21	387.85	897.88	455.18	123.13	75.80	68.63	46.58	TOTAL
MEAN	0.267	0.218	0.260	2.81	18.4	8.58	28.0	14.7	4.10	2.44	2.23	1.50	MEAN
MAX	0.348	0.232	0.360	8.88	104	34.2	131	81.8	7.28	3.14	2.70	2.11	MAX
MIN	0.224	0.208	0.212	0.383	2.42	3.28	5.43	5.01	2.40	1.72	1.87	1.08	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.28
MAXIMUM DAILY, 131 ON JUL 3
MINIMUM DAILY, 0.2088 ON FEB 22
MAXIMUM INSTANTANEOUS,
149 AT 04:00 MST ON JUL 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 45 03 N
LONG 117 12 30 W
DRAINAGE AREA, 1 040 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	718	JUL	77 800
FEB	524	AUG	39 300
MAR	695	SEP	10 800
APR 7	370	OCT	6 530
MAY 61	800	NOV	5 770
JUN 24	800	DEC	4 030

TOTAL DISCHARGE, 230 000 dam³

WASKASOO CREEK AT RED DEER - STATION NO. 05CC011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.858B	1.58	0.084	0.045E	0.012	0.010E	0.030E	0.008	---	1
2	---	---	0 B	1.18 B	1.30 E	0.084	0.020E	1.01	0.188	0.031	---	---	2
3	---	---	0 B	1.60 B	1.10	0.082	0.014	0.400E	0.036	0.028	---	---	3
4	---	---	0 B	1.63 B	0.428	0.048	0.028	0.110E	0.018	0.028	---	---	4
5	---	---	0 B	3.18 B	0.283	0.028	0.024	0.030	0.028E	0.028	---	---	5
6	---	---	0 B	3.58 B	0.203	0.030	0.020	0.024	0.041E	0.036	---	---	6
7	---	---	0 B	4.06 B	0.188	0.032	0.018	0.021	0.052	0.028E	---	---	7
8	---	---	0.008B	2.80 B	0.184	0.080	0.026	0.018E	0.028	0.024	---	---	8
9	---	---	0.030B	4.80 B	0.018E	0.080	0.025	0.014E	0.018	0.021E	---	---	9
10	---	---	0.008B	3.29 B	0.243	0.088	0.334	0.011	0.013	0.018	---	---	10
11	---	---	0 B	4.21 B	1.24	0.082	0.128	0.010	0.010	0.018	---	---	11
12	---	---	0 B	4.83	0.200E	0.082	0.108	0.008E	0.010	0.013	---	---	12
13	---	---	0 B	5.07	0.180E	0.084	0.075	0.007	0.010	0.008	---	---	13
14	---	---	0 B	4.81	0.180E	0.084	0.058	0.008	0.008	0.088	---	---	14
15	---	---	0 B	3.12	0.180E	0.018	0.138	0.005	0.008	0.088E	---	---	15
16	---	---	0 B	2.33	0.181	0.841	0.085	1.14	0.008	0.052	---	---	16
17	---	---	0 B	1.60 E	0.198	0.080E	0.057	0.048	0.008	0.030E	---	---	17
18	---	---	0 B	1.55	0.148	0.043	0.053	0.031E	0.008	0.020E	---	---	18
19	---	---	0 B	1.37	1.84	0.044	0.171	0.013	0.008	0.018	---	---	19
20	---	---	0.008B	1.36	1.78	0.087	0.100E	0.008	0.011	0.018	---	---	20
21	---	---	0.010B	1.35	0.207	0.047	0.088	0.013	0.011	0.017E	---	---	21
22	---	0 B	0.018B	1.34	0.214	0.028	0.080	0.011	0.013	0.018	---	---	22
23	---	0.015B	0.084B	1.28	0.323	0.030	0.033	0.010	0.014E	0.014E	---	---	23
24	---	0.032B	0.050B	1.27 E	0.181	0.478	0.031	0.008	0.015	0.013	---	---	24
25	---	0.008B	0.040B	1.22 E	0.174	0.081	0.028E	0.087	0.017E	0.013	---	---	25
26	---	0 B	0.048B	1.18	0.148	0.283	0.024	0.038	0.018	0.013	---	---	26
27	---	0 B	0.050B	1.10	0.138	0.071	0.494	0.018	0.021	0.013	---	---	27
28	---	0 B	0.078B	1.03	0.120	0.181	0.033	0.017E	0.028	0.012E	---	---	28
29	---		0.280B	0.784	0.081	0.088	0.018	0.018E	0.027E	0.011	---	---	29
30	---		0.628B	0.887	0.073	0.088	0.018	0.013	0.026E	0.011	---	---	30
31	---		0.700B		0.071		0.018	0.007		0.011	---	---	31
TOTAL	---	---	1.882	67.727	13.308	3.208	2.317	3.133	0.668	0.733	---	---	TOTAL
MEAN	---	---	0.060	2.26	0.429	0.107	0.075	0.101	0.022	0.024	---	---	MEAN
MAX	---	---	0.700	5.07	1.84	0.841	0.494	1.14	0.188	0.088	---	---	MAX
MIN	---	---	0	0.887	0.018	0.018	0.014	0.008	0.008	0.008	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.380
MAXIMUM DAILY, 5.07 ON APR 13
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 16 07 N
LONG 113 47 52 W
DRAINAGE AREA, 494 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	200
FEB	---	AUG	271
MAR	170	SEP	67.7
APR 5	860	OCT	63.3
MAY 1	150	NOV	---
JUN	277	DEC	---

TOTAL DISCHARGE, 6 040 dam³

WASKATENAU CREEK NEAR WASKATENAU - STATION NO. 05EC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.026	0.007	0.007	0.026	0.035	0.014	0.003	---	1
2	---	---	0B	0 B	0.030	0.007	0.005	0.026	0.034	0.020	0.002A	---	2
3	---	---	0B	0 B	0.020	0.006	0.003	0.010	0.033	0.020	---	---	3
4	---	---	0B	0.0058	0.017	0.006	0.001	0.007	0.031	0.020	---	---	4
5	---	---	0B	0.0238	0.013	0.005	0	0.006	0.030	0.020	---	---	5
6	---	---	0B	0.2338	0.012	0.005	0	0.003	0.030	0.020	---	---	6
7	---	---	0B	0.3318	0.011	0.004	0	0.005	0.030	0.020	---	---	7
8	---	---	0B	0.1808	0.010	0.004	0	0.003	0.030	0.020	---	---	8
9	---	---	0B	0.1038	0.009	0.003	0	0.001	0.035	0.020	---	---	9
10	---	---	0B	0.1308	0.008	0.003	0	0	0.040	0.018	---	---	10
11	---	---	0B	0.1258	0.008	0.003	0	0	0.040	0.018	---	---	11
12	---	---	0B	0.2408	0.008	0.002	0	0	0.040	0.015	---	---	12
13	---	---	0B	0.2378	0.008	0.002	0	0	0.040	0.014	---	---	13
14	---	---	0B	0.1368	0.007	0.001	0	0	0.040	0.012	---	---	14
15	---	---	0B	0.0418	0.007	0.001	0	0	0.040	0.010	---	---	15
16	---	---	0B	0.0448	0.007	0.001	0.007	0	0.040	0.008	---	---	16
17	---	---	0B	0.0888	0.007	0.001	0.008	0.001	0.040	0.008	---	---	17
18	---	---	0B	0.043	0.018	0.008	0.010	0.005	0.035	0.008	---	---	18
19	---	---	0B	0.044	0.030	0.020	0.018	0.003	0.030	0.007	---	---	19
20	---	---	0B	0.039	0.028	0.019	0.021	0.001	0.030	0.007	---	---	20
21	---	---	0B	0.035	0.025	0.015	0.008	0	0.035	0.008	---	---	21
22	---	---	0B	0.042	0.024	0.010	0.011	0	0.030	0.005	---	---	22
23	---	---	0B	0.039	0.022	0.007	0.007	0	0.025	0.008	---	---	23
24	---	---	0B	0.032	0.020	0.005	0.011	0	0.020	0.012	---	---	24
25	---	---	0B	0.027	0.018	0.003	0.038	0	0.018	0.012	---	---	25
26	---	---	0B	0.018	0.018	0.003	0.021	0.001	0.018	0.011	---	---	26
27	---	---	0B	0.012	0.014	0.020	0.018	0.001	0.012	0.008	---	---	27
28	---	---	0B	0.018	0.012	0.020	0.015	0	0.010	0.008	---	---	28
29	---		0B	0.019	0.010	0.018	0.011	0.001	0.011	0.007	---	---	29
30	---		0B	0.021	0.007	0.012	0.010	0.003	0.012	0.005	---	---	30
31	---		0B		0.005		0.016	0.027		0.004		---	31
TOTAL	---	---	0	2.284	0.459	0.218	0.237	0.127	0.891	0.388	---	---	TOTAL
MEAN	---	---	0	0.076	0.015	0.007	0.008	0.004	0.030	0.013	---	---	MEAN
MAX	---	---	0	0.331	0.030	0.020	0.038	0.027	0.040	0.020	---	---	MAX
MIN	---	---	0	0	0.005	0.001	0	0	0.010	0.004	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.018
MAXIMUM DAILY, 0.331B ON APR 7
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 07 23 N
LONG 112 46 56 W
DRAINAGE AREA, 312 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	20.8
FEB	---	AUG	11.0
MAR	0	SEP	77.0
APR	197	OCT	33.4
MAY	38.7	NOV	---
JUN	18.8	DEC	---

TOTAL DISCHARGE, 387 dam³

WATERTON - BELLY DIVERSION CANAL - STATION NO. 05AD027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0E	0E	0E	0	38.2	48.5	44.1	31.8	14.2	12.9	0E	0E	1
2	0E	0E	0E	0	44.5	48.4	43.8	31.6	14.3	12.8	0E	0E	2
3	0E	0E	0E	0	46.0	43.4	43.4	31.3	14.4	12.8	0E	0E	3
4	0E	0E	0E	0	47.3	40.8	43.3	29.0	14.5	13.4	0E	0E	4
5	0E	0E	0E	0	48.8	34.5	43.1	28.8	14.8	13.7	0E	0E	5
6	0E	0E	0E	0	48.8	35.4	42.8	28.3	14.8	11.1	0E	0E	6
7	0E	0E	0E	0	46.6	33.2	42.7	26.0	14.6	9.02	0E	0E	7
8	0E	0E	0E	0	39.1	29.1	42.5	25.8	14.7	9.00	0E	0E	8
9	0E	0E	0E	0	33.7	36.8	42.3	25.6	14.7	9.00	0E	0E	9
10	0E	0E	0E	0	32.3	44.8	42.0	23.0	14.8	3.82	0E	0E	10
11	0E	0E	0E	0.089	30.8	44.7	41.7	21.3	14.8	0.257	0E	0E	11
12	0E	0E	0E	4.79	31.0	44.2	41.8	21.0	14.8	0.188	0E	0E	12
13	0E	0E	0E	14.7	31.9	44.0	41.3	20.9	14.8	0.080	0E	0E	13
14	0E	0E	0E	23.7	32.8	44.0	41.3	20.7	14.8	0	0E	0E	14
15	0E	0E	0E	27.2	40.2	44.2	41.4	20.6	14.8	0	0E	0E	15
16	0E	0E	0E	26.8	47.6	44.2	41.0	20.3	14.8	0	0E	0E	16
17	0E	0E	0E	28.0	47.8	44.2	40.8	18.7	14.9	0	0E	0E	17
18	0E	0E	0E	38.7	47.8	44.1	40.7	17.8	14.8	0	0E	0E	18
19	0E	0E	0E	42.0	48.0	43.8	40.8	17.4	14.8	0	0E	0E	19
20	0E	0E	0E	40.8	49.2	47.0	37.1	17.2	14.8	0	0E	0E	20
21	0E	0E	0E	40.0	48.2	52.4	34.6	17.1	14.8	0	0E	0E	21
22	0E	0E	0E	39.8	48.6	51.8	34.3	16.9	14.6	0	0E	0E	22
23	0E	0E	0E	38.4	50.5	50.9	34.1	16.1	14.7	0	0E	0E	23
24	0E	0E	0E	39.5	51.8	50.2	33.9	13.6	14.7	0	0E	0E	24
25	0E	0E	0E	38.4	51.4	50.4	33.7	13.5	14.8	0	0E	0E	25
26	0E	0E	0E	39.3	51.0	50.4	33.5	13.6	13.9	0	0E	0E	26
27	0E	0E	0E	38.2	50.5	49.0	33.2	13.7	13.0	0	0E	0E	27
28	0E	0E	0E	38.2	50.3	48.0	33.0	13.8	13.0	0	0E	0E	28
29	0E		0A	38.8	49.5	48.4	32.7	13.8	13.0	0	0E	0E	29
30	0E		0	38.5	48.0	48.0	32.4	14.1	13.0	0	0E	0E	30
31	0E		0		48.8		32.1	14.1		0 A		0E	31
TOTAL	0	0	0	841.089	1 382.1	1 336.6	1 304.5	631.8	433.7	108.388	0	0	TOTAL
MEAN	0	0	0	21.4	44.6	44.5	38.9	20.4	14.5	3.50	0	0	MEAN
MAX	0	0	0	42.0	51.8	52.4	44.1	31.8	14.9	13.7	0	0	MAX
MIN	0	0	0	0	30.8	29.1	32.1	13.5	13.0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 15.7
MAXIMUM DAILY, 52.4 ON JUN 21
MINIMUM DAILY, 0E ON JAN 1

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 19 20 N
LONG 113 39 10 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1968

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	104 000
FEB	0	AUG	84 800
MAR	0	SEP	37 500
APR	55 400	OCT	8 360
MAY	119 000	NOV	0
JUN	115 000	DEC	0

TOTAL DISCHARGE, 495 000 dam³

WATERTON LAKE AT WATERTON PARK - STATION NO. 05AD025

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1278.844	1278.065	1278.186	1278.680	1278.681	1278.557	1278.858	---	1
2	---	---	---	---	1278.871	1278.161	1278.189	1278.869	1278.682	1278.545	1278.843	---	2
3	---	---	---	---	1278.918	1278.321	1278.130	1278.642	1278.672	1278.535	1278.826	---	3
4	1278.320A	---	---	---	1278.947	1278.450	1278.095	1278.614	1278.663	1278.526	1278.818	---	4
5	---	---	---	---	1278.982	1278.526	1278.072	1278.598	1278.661	1278.511	1278.821	---	5
6	---	---	1278.310A	1278.334A	1279.175	1278.612	1278.048	1278.587	1278.665	1278.497	1278.817	---	6
7	---	---	---	---	1279.331	1278.710	1278.024	1278.575	1278.658	1278.488	1278.817	---	7
8	---	---	---	---	1279.513	1278.783	1278.000	1278.586	1278.659	1278.474	1278.807	---	8
9	---	---	---	---	1279.602	1278.783	1278.978	1278.582	1278.657	1278.468	1278.588	---	9
10	---	---	---	1278.428A	1279.640	1278.748	1278.959	1278.557	1278.665	1278.480	1278.833	---	10
11	---	---	---	---	1279.671	1278.818	1278.936	1278.550	1278.645	1278.458	1278.803	---	11
12	---	---	---	---	1279.638	1278.841	1278.909	1278.543	1278.630	1278.456	1278.292	1278.810A	12
13	---	1278.300A	---	---	1279.548	1278.802	1278.935	1278.537	1278.611	1278.482	1278.400	---	13
14	---	---	---	---	1279.453	1278.747	1278.967	1278.533	1278.788	1278.484	1278.383	---	14
15	---	---	---	---	1279.389	1278.709	1278.994	1278.532	1278.787	1278.505	1278.285	---	15
16	---	---	1278.346A	---	1279.315	1278.693	1278.985	1278.523	1278.741	1278.520	1278.308	---	16
17	---	---	---	---	1279.300	1278.832	1278.985	1278.508	1278.728	1278.528	1278.128	---	17
18	---	---	---	1278.663	1279.295	1278.831	1278.939	1278.487	1278.729	1278.526	1278.084	---	18
19	---	---	---	1278.888	1278.288	1278.461	1278.812	1278.483	1278.715	1278.523	1278.008	---	19
20	---	---	---	1278.764	1278.221	1278.394	1278.887	1278.489	1278.689	1278.525	1278.984	---	20
21	---	---	---	1278.861	1278.178	1278.318	1278.889	1278.484	1278.686	1278.553	1278.970	---	21
22	---	---	---	1278.993	1278.134	1278.280	1278.870	1278.475	1278.673	1278.590	1278.980	---	22
23	---	---	1278.348A	1279.089	1278.123	1278.228	1278.847	1278.470	1278.661	1278.627	1278.937	---	23
24	1278.318A	---	---	1278.121	1278.118	1278.201	1278.827	1278.506	1278.646	1278.884	---	---	24
25	---	---	---	1278.121	1278.108	1278.204	1278.804	1278.592	1278.634	1278.880	---	---	25
26	---	---	---	1278.104	1278.087	1278.211	1278.785	1278.701	1278.623	1278.885	---	---	26
27	---	---	---	1278.062	1278.086	1278.213	1278.767	1278.777	1278.606	1278.884	---	---	27
28	---	---	---	1278.046	1278.081	1278.206	1278.748	1278.841	1278.593	1278.888	---	---	28
29	---		---	1278.002	1278.083	1278.185	1278.728	1278.867	1278.577	1278.881	---	---	29
30	---		---	1278.988	1278.020	1278.185	1278.712	1278.902	1278.582	1278.878	---	---	30
31	---		---		1279.005		1278.695	1278.908		1278.871		---	31
MEAN	---	---	---	---	1278.238	1278.484	1278.828	1278.806	1278.783	1278.554	---	---	MEAN
MAX	---	---	---	---	1278.871	1278.841	1278.186	1278.905	1278.891	1278.888	---	---	MAX
MIN	---	---	---	---	1278.844	1278.065	1278.695	1278.470	1278.582	1278.456	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 1279.841 ON JUN 12

MAXIMUM INSTANTANEOUS,
1279.852 AT 03:10 MST ON JUN 12

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 03 21 N
LONG 113 54 32 W

A - MANUAL GAUGE

DRAINAGE AREA,
401 km²

WATERTON RESERVOIR - STATION NO. 05AD026

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1178.467	1178.783E	1178.751	1179.203	1178.410	1180.182	1184.418	1181.273	1178.695	1179.180	1180.051	1180.136	1
2	1178.488	1178.788E	1178.744	1179.181	1178.707	1180.287	1184.421	1181.076	1178.788	1179.181	1180.056	1180.111	2
3	1178.512	1178.783E	1178.741	1179.183	1178.988	1180.494	1184.408	1180.870	1178.888	1179.132	1180.053	1180.130	3
4	1178.542	1178.778A	1178.738	1179.184	1178.481	1180.801	1184.388	1180.671	1178.987	1179.103	1180.056	1180.118	4
5	1178.580	1178.789	1178.730	1179.182	1178.410	1181.218	1184.285	1180.487	1179.087	1179.088	1180.051	1180.101	5
6	1178.618	1178.778	1178.731	1179.182	1178.430	1181.731	1184.188	1180.323	1179.183	1179.021	1180.042	1180.079	6
7	1178.644	1178.782	1178.736	1179.171	1178.823	1182.318	1184.100	1180.147	1179.208	1179.017	1180.031	1180.067	7
8	1178.677	1178.781	1178.741	1179.217	1177.016	1182.970	1183.980	1179.978	1179.263	1179.016	1180.031	1180.080	8
9	1178.711	1178.788	1178.750	1179.228	1177.824	1183.510	1183.848	1179.787	1179.322	1179.005	1180.040	1180.078	9
10	1178.738	1178.783	1178.788A	1179.252	1178.288	1183.787	1183.715	1179.617	1179.390	1179.022	1180.044	1180.042	10
11	1178.765	1178.784	1178.792E	1179.275	1178.895	1184.171	1183.588	1179.470	1179.456	1179.116	1180.061	1180.018	11
12	1178.788	1178.784	1178.818E	1179.324	1178.988	1184.182	1183.432	1179.328	1179.515	1179.210	1180.183	1180.008	12
13	1178.794	1178.784	1178.846E	1179.292	1180.253	1184.058	1183.298	1179.184	1179.558	1179.300	1180.388	1180.025	13
14	1178.798	1178.789	1178.874E	1179.158	1180.691	1184.045	1183.349	1179.058	1179.588	1179.387	1180.454	1180.037	14
15	1178.804	1178.784	1178.902E	1178.948	1180.990	1184.138	1183.381	1178.920	1179.598	1179.479	1180.451	1180.043	15
16	1178.812	1178.781	1178.930E	1178.748	1181.110	1184.180	1183.378	1178.774	1179.583	1179.577	1180.432	1180.030	16
17	1178.808	1178.787	1178.958E	1178.564	1181.189	1184.199	1183.322	1178.631	1179.574	1179.577	1180.383	1180.012	17
18	1178.807	1178.784	1178.985E	1178.316	1181.233	1184.125	1183.243	1178.505	1179.584	1179.789	1180.348	1179.991	18
19	1178.795	1178.790	1179.013E	1177.994	1181.282	1184.033	1183.139	1178.376	1179.578	1179.674	1180.319	1179.982	19
20	1178.783	1178.791	1179.041E	1177.690	1181.313	1184.149	1183.030	1178.249	1179.589	1179.926	1180.288	1179.954	20
21	1178.789	1178.782	1178.980A	1177.448	1181.283	1184.253	1182.948	1178.121	1179.527	1179.958	1180.288	1179.943	21
22	1178.804	1178.782	1179.089	1177.298	1181.212	1184.303	1182.840	1177.991	1179.485	1179.984	1180.243	1179.953	22
23	1178.804	1178.779	1179.132	1177.229	1181.107	1184.318	1182.727	1177.886	1179.437	1180.008	1180.235	1179.978	23
24	1178.789	1178.778	1179.149	1177.187	1180.983	1184.323	1182.600	1177.790	1179.382	1180.018	1180.230	1179.998	24
25	1178.788	1178.788	1179.159	1177.171	1180.888	1184.348	1182.468	1177.785	1179.317	1180.031	1180.208	1180.001	25
26	1178.788	1178.783	1179.159	1177.156	1180.770	1184.386	1182.325	1177.859	1179.267	1180.043	1180.181	1179.986	26
27	1178.788	1178.784	1179.203	1177.127	1180.638	1184.413	1182.167	1177.980	1179.243	1180.055	1180.182	1180.000	27
28	1178.788	1178.758	1179.260	1177.087	1180.548	1184.428	1182.007	1178.125	1179.230	1180.055	1180.195	1179.998	28
29	1178.808		1179.249	1177.008	1180.441	1184.430	1181.835	1178.284	1179.218	1180.057	1180.240	1179.984	29
30	1178.817		1179.224	1176.911	1180.308	1184.419	1181.652	1178.428	1179.188	1180.081	1180.231	1179.975	30
31	1178.787A		1179.218		1180.200		1181.466	1178.571		1180.088		1179.989	31
MEAN	1178.734	1178.782	1178.952	1178.380	1178.487	1183.407	1183.224	1179.082	1179.322	1179.560	1180.201	1180.027	MEAN
MAX	1178.817	1178.794	1179.260	1179.324	1181.313	1184.430	1184.421	1181.273	1179.696	1180.081	1180.454	1180.138	MAX
MIN	1178.467	1178.758	1178.730	1176.911	1178.410	1180.182	1181.466	1177.785	1178.695	1179.005	1180.031	1179.843	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 1179.833
MAXIMUM DAILY, 1184.430 ON JUN 20
MINIMUM DAILY, 1176.410 ON MAY 9
MAXIMUM INSTANTANEOUS,
1184.435 AT 15:30 MST ON JUN 20

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 19 18 N
LONG 113 40 52 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1988

DRAINAGE AREA,
1 270 km²

WATERTON RIVER NEAR GLENWOOD - STATION NO. 05AD026

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.850B	2.73B	2.88B	7.80	1.20	1.32	0.877	2.28	1.92	1.29	14.8	22.2	1
2	0.770B	2.67B	2.95B	7.30	1.28	1.48	0.861	2.10	3.00	1.26	14.5	18.4	2
3	0.850B	2.69B	3.20B	6.69	1.20	1.38	0.876	1.89	3.21	1.27	14.3	15.4	3
4	1.08 B	2.75B	3.34B	5.59	1.16	1.26	1.03	2.06	3.12	1.24	14.3	15.8	4
5	1.00 B	2.80B	3.50B	5.83	1.14	1.18	1.05	2.13	3.38	1.24	14.8	17.8	5
6	0.900B	2.90B	3.70B	5.81	1.05	1.12	0.950	2.13	3.87	1.23	13.9	18.5	6
7	0.850B	3.03B	3.28B	5.88	1.02	1.12	0.846	2.13	5.90	1.17	13.8	18.0 B	7
8	0.900B	3.15B	2.90B	5.84	1.02	3.14	0.852	2.16	6.00	1.17	13.2	18.0 B	8
9	1.00 B	3.25B	2.77B	5.72	0.979	17.2	1.01	2.12	6.00	1.17	13.2	18.2 B	9
10	1.20 B	3.30B	2.73B	5.66	0.952	32.2	1.14	2.14	5.03	1.20	13.7	18.7 B	10
11	1.35 B	3.35B	2.71B	4.84	0.922	53.3	1.18	2.11	5.88	1.22	14.1	18.0 B	11
12	1.55 B	3.32B	2.70B	1.49	0.856	117	1.04	2.11	5.92	1.18	21.9	16.2 B	12
13	1.90 B	3.25B	2.68B	1.35	0.878	101	1.34	2.15	5.81	1.19	38.2	13.8 B	13
14	2.10 B	3.12B	2.69B	1.31	0.870	89.6	1.38	2.28	5.83	1.20	52.2	12.5 B	14
15	2.40 B	2.98B	2.66B	1.30	0.867	82.1	1.17	2.06	5.87	1.19	64.2	12.3 B	15
16	2.60 B	2.90B	2.89B	1.41	0.823	62.2	1.26	1.82	5.88	1.18	61.6	11.8 B	16
17	2.85 B	2.88B	2.70B	1.36	0.808	52.2	1.08	1.76	5.04	1.17	48.2	11.3 B	17
18	3.10 B	2.89B	2.78B	1.33	0.895	52.0	1.05	1.82	5.19	1.16	41.3	10.9 B	18
19	3.20 B	2.93B	2.82B	1.26	0.849	53.4	1.04	1.83	5.86	2.84	38.4	10.8 B	19
20	3.15 B	3.00B	2.92B	1.23	0.873	10.1	1.05	1.77	5.91	5.18	35.0	10.5 B	20
21	3.00 B	3.20B	3.05B	1.21	0.880	2.08	1.05	1.76	5.88	8.38	33.0	10.4 B	21
22	2.95 B	3.33B	3.20B	1.23	0.916	1.30	1.85	1.74	5.84	9.70	31.3	10.4 B	22
23	2.80 B	3.30B	3.40B	1.24	0.933	1.24	2.13	1.62	5.79	10.8	29.4	10.4 B	23
24	2.89 B	3.15B	3.85B	1.20	0.841	1.16	2.15	1.97	5.78	12.1	28.8	10.0 B	24
25	2.92 B	3.06B	3.90B	1.27	1.04	1.38	2.27	2.28	6.82	12.7	27.2	9.80B	25
26	2.99 B	2.98B	4.10B	1.34	1.02	1.27	2.24	2.08	5.55	13.5	25.5	9.80B	26
27	3.15 B	2.93B	4.70B	1.33	1.06	1.17	2.28	2.22	1.56	14.4	23.5	9.00B	27
28	3.30 B	2.90B	5.80B	1.33	1.48	1.10	2.32	2.01	1.24	14.8	17.5	9.20B	28
29	3.50 B		7.40B	1.27	1.42	1.06	2.30	1.87	1.20	15.0	11.0	9.40B	29
30	3.50 B		8.80B	1.21	1.28	0.993	2.29	2.02	1.22	15.2	30.7	9.80B	30
31	3.00 B		8.00B		1.23		2.31	1.98		15.0		8.90B	31
TOTAL	87.710	84.73	114.57	81.85	32.462	887.073	44.821	62.83	141.81	172.11	792.3	405.80	TOTAL
MEAN	2.16	3.03	3.70	3.06	1.05	22.2	1.45	2.03	4.73	5.55	26.4	13.1	MEAN
MAX	3.80	3.35	8.80	7.80	1.48	117	2.32	2.28	6.18	15.2	64.2	22.2	MAX
MIN	0.850	2.67	2.68	1.20	0.849	0.993	0.846	1.74	1.20	1.16	11.0	8.80	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.34
MAXIMUM DAILY, 117 ON JUN 12
MINIMUM DAILY, 0.850B ON JAN 1
MAXIMUM INSTANTANEOUS,
110 AT 01:20 MST ON JUN 13

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 26 35 N
LONG 113 26 10 W
DRAINAGE AREA, 1 630 km²

B - ICE CONDITIONS

REGULATED SINCE 1968

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 850	JUL	3 870
FEB	7 320	AUG	5 430
MAR	9 800	SEP	12 300
APR	7 920	OCT	14 900
MAY	2 800	NOV	68 500
JUN	87 600	DEC	35 000

TOTAL DISCHARGE, 231 000 dam³

WATERTON RIVER NEAR WATERTON PARK - STATION NO. 05AD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.10	2.31	2.46	3.85	23.7	30.9	38.5	12.9	21.0	9.55	12.1	14.4	1
2	2.87	2.34	2.46	3.80	25.5	37.9	38.0	13.2	21.0	9.13	11.7	15.4	2
3	3.31	2.37	2.44	3.87	27.7	48.4	34.8	12.5	20.4	8.82	11.3	14.1	3
4	3.43	2.48	2.26	3.74	28.7	59.9	32.3	10.9	20.2	8.81	10.8	12.8	4
5	3.77	2.83	2.87	3.76	31.3	67.4	30.8	10.3	20.0	8.08	10.8	11.5	5
6	3.87	2.81	2.75	4.12	37.6	75.9	29.1	9.98	20.2	7.94	10.7	11.5	6
7	3.81	2.87	2.83	4.42	49.0	85.7	28.0	9.80	19.8	8.10	10.5	12.4	7
8	3.40	2.98	2.58	4.83	83.4	90.9	27.0	9.19	20.2	7.45	11.2	12.4	8
9	3.32	3.06	2.58	5.10	72.4	91.8	25.8	9.11	20.4	7.40	11.4	11.6	9
10	3.81	2.88	3.13	5.38	77.4	93.0	24.6	9.13	20.4	7.32	11.8	11.5	10
11	3.78	2.78	3.10	5.88	81.8	105	23.7	8.81	20.0	7.43	12.1	10.0	11
12	3.92	2.82	3.38	6.50	78.7	108	22.1	8.58	19.5	7.17	29.9	12.4 B	12
13	3.67	2.86	3.48	8.32	69.4	101	24.3	8.37	18.8	7.14	82.5	10.1 B	13
14	3.38	2.87	3.58	8.86	60.1	86.1	26.5	8.26	17.5	7.26	80.5	8.238	14
15	3.48	2.86	3.82	7.81	52.3	80.1	27.7	8.38	16.4	7.59	45.8	8.808	15
16	3.49	2.85	3.86	8.34	47.7	68.4	27.3	8.13	15.5	7.88	40.9	8.788	16
17	3.49	2.84	4.03	10.9	46.8	61.7	26.4	7.81	15.1	8.49	34.8	8.588	17
18	3.03	2.86	4.12	12.0	46.4	71.3	24.5	7.39	15.2	8.63	32.6	8.028	18
19	3.33	2.89	3.98	12.9	46.8	83.1	23.2	7.26	14.7	8.14	29.4	7.688	19
20	3.53	2.90	4.12	15.2	41.2	87.3	22.6	7.16	13.8	8.59	26.7	8.468	20
21	3.07	2.87	4.28	18.4	36.8	80.5	21.8	7.22	13.1	9.34	25.7	8.188	21
22	2.96	2.89	4.37	25.5	34.0	65.2	21.0	8.88	12.8	10.3	24.8	7.248	22
23	2.82	2.88	3.96	29.8	33.2	62.5	20.1	8.69	12.5	10.4	24.7	7.368	23
24	2.83	2.85	3.90	31.7	33.8	60.8	18.3	8.25	11.7	12.1	22.7	6.508	24
25	3.08	2.43	3.87	31.8	32.4	61.7	18.2	12.8	11.3	12.3	21.5	8.878	25
26	3.08	2.57	3.85	31.1	31.4	62.0	17.2	15.5	10.8	12.7	20.4	8.328	26
27	2.93	2.48	3.82	30.1	29.7	61.3	16.4	17.0	10.6	12.8	19.8	8.678	27
28	2.78	2.50	3.77	28.3	30.7	60.3	15.6	19.3	10.2	12.6	21.3	8.308	28
29	2.62		3.70	26.1	29.1	58.3	14.8	20.8	9.84	12.9	18.8	7.088	29
30	3.13		3.81	24.4	27.8	58.8	14.2	21.3	9.36	12.8	16.3	6.468	30
31	2.33		4.07		27.7		13.4	21.8		12.0		8.268	31
TOTAL	101.42	72.40	107.00	412.48	1 384.5	1 988.1	751.8	344.28	482.02	301.06	895.8	300.44	TOTAL
MEAN	3.27	2.59	3.45	13.7	43.7	66.5	24.3	11.1	16.1	9.39	23.2	9.69	MEAN
MAX	3.92	3.06	4.37	31.8	81.8	108	38.5	21.8	21.0	12.8	82.5	16.0	MAX
MIN	2.33	2.31	2.26	3.67	23.7	30.9	13.4	6.89	9.36	7.14	10.5	6.26	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.8
MAXIMUM DAILY, 108 ON JUN 12
MINIMUM DAILY, 2.26 ON MAR 4
MAXIMUM INSTANTANEOUS,
110 AT 00:05 MST ON JUN 12

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 08 50 N
LONG 113 50 20 W
DRAINAGE AREA, 814 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	6 780	JUL	65 000
FEB	6 280	AUG	29 700
MAR	9 240	SEP	41 800
APR	35 800	OCT	25 100
MAY	117 000	NOV	80 100
JUN	170 000	DEC	26 000

TOTAL DISCHARGE, 594 000 dam³

WEILLER CREEK NEAR WETASKIWIN - STATION NO. 05PA024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.3008	0.011	0.008	0.005	0.002	0.003	0.001	---	---	1
2	---	---	0 B	0.8008	0.012	0.005	0.004	0.002	0.003	0.001	---	---	2
3	---	---	0 B	1.00 B	0.020	0.004	0.004	0.002	0.003	0.001	---	---	3
4	---	---	0 B	1.35 B	0.008	0.004	0.004	0.002	0.003	0.002	---	---	4
5	---	---	0 B	0.8948	0.005	0.004	0.004	0.002	0.003	0.002	---	---	5
6	---	---	0 B	0.8408	0.005	0.004	0.004	0.002	0.003	0.002	---	---	6
7	---	---	0 B	0.7588	0.005	0.004	0.004	0.002	0.003	0.002	---	---	7
8	---	---	0 B	0.8508	0.005	0.004	0.010	0.002	0.003	0.001	---	---	8
9	---	---	0 B	0.5308	0.005	0.004	0.077	0.002	0.003	0.001	---	---	9
10	---	---	0 B	0.4388	0.006	0.004	0.018	0.002	0.003	0.002	---	---	10
11	---	---	0 B	0.2678	0.005	0.004	0.013	0.002	0.003	0.002	---	---	11
12	---	---	0 B	0.0858	0.004	0.004	0.108	0.002	0.003	0.002	---	---	12
13	---	---	0 B	0.0708	0.028	0.004	0.020	0.002	0.003	0.002	---	---	13
14	---	---	0 B	0.0718	0.010	0.004	0.010	0.003	0.003	0.002	---	---	14
15	---	---	0 B	0.1008	0.005	0.004	0.008	0.003	0.002	0.005	---	---	15
16	---	---	0 B	0.0808	0.005	0.004	0.006	0.003	0.002	0.004	---	---	16
17	---	---	0 B	0.080	0.005	0.004	0.005	0.003	0.002	0.003	---	---	17
18	---	---	0 B	0.080	0.004	0.004	0.004	0.204	0.002	0.003	---	---	18
19	---	---	0 B	0.068	0.380	0.004	0.004	0.177	0.002	0.004	---	---	19
20	---	---	0 B	0.038	0.340	0.004	0.004	0.008	0.002	0.003	---	---	20
21	---	---	0 B	0.022	0.143	0.004	0.004	0.004	0.002	0.002	---	---	21
22	---	---	0 B	0.104	0.071	0.004	0.004	0.004	0.002	0.002	---	---	22
23	---	---	0 B	0.108	0.038	0.004	0.004	0.004	0.002	0.002	---	---	23
24	---	---	0 B	0.058	0.035	0.004	0.003	0.003	0.002	0.002	---	---	24
25	---	---	0 B	0.028	0.028	0.004	0.003	0.003	0.002	0.018	---	---	25
26	---	---	0 B	0.018	0.012	0.004	0.003	0.003	0.001	0.008	---	---	26
27	---	0B	0 B	0.014	0.008	0.004	0.003	0.003	0.001	0.284	---	---	27
28	---	0B	0 B	0.013	0.006	0.005	0.003	0.003	0.001	0.041	---	---	28
29	---		0.0108	0.010	0.005	0.008	0.002	0.003	0.001	0.008	---	---	29
30	---		0.0608	0.011	0.005	0.005	0.002	0.003	0.001	0.006A	---	---	30
31	---		0.1508		0.005		0.002	0.003		0.006E		---	31
TOTAL	---	---	0.220	8.874	1.264	0.129	0.341	0.481	0.089	0.401	---	---	TOTAL
MEAN	---	---	0.007	0.289	0.041	0.004	0.011	0.015	0.002	0.013	---	---	MEAN
MAX	---	---	0.150	1.35	0.380	0.008	0.108	0.204	0.003	0.284	---	---	MAX
MIN	---	---	0	0.010	0.004	0.004	0.002	0.002	0.001	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.047
MAXIMUM DAILY, 1.388 ON APR 4
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.58 AT 19:08 MST ON OCT 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 57 38 N
LONG 113 18 48 W
DRAINAGE AREA, 235 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	29.5
FEB	---	AUG	38.6
MAR	18.0	SEP	5.86
APR	748	OCT	34.6
MAY	109	NOV	---
JUN	11.1	DEC	---

TOTAL DISCHARGE, 993 dam³

REMARKS - PEAK DISCHARGE WAS CAUSED BY A BEAVER DAM BREAK

WEST ARROWWOOD CREEK NEAR ARROWWOOD - STATION NO. 05BM014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0B	0 B	1.08 B	0.018	0.004	0	0	0	0	0A	---	1
2	---	0B	0 B	3.05 B	0.014	0.003	0	0	0	0	---	---	2
3	---	0B	0 B	3.18 B	0.012	0.003	0	0	0	0	---	---	3
4	---	0B	0 B	1.80	0.010	0.004	0	0	0	0	---	---	4
5	---	0B	0 B	1.31	0.009	0.003	0	0	0	0	---	---	5
6	---	0B	0 B	0.878	0.007	0.003	0	0	0	0	---	---	6
7	---	0B	0.0028	0.898	0.005	0.004	0	0	0	0	---	---	7
8	---	0B	0.0038	0.678	0.004	0.005	0	0	0	0	---	---	8
9	---	0B	0.0828	0.512	0.004	0.007	0	0	0	0	---	---	9
10	---	0B	0.0508	0.428	0.004	0.008	0.001	0	0	0	---	---	10
11	---	0B	0.0408	0.371	0.004	0.010	0.002	0	0	0	---	---	11
12	---	0B	0.0308	0.273	0.004	0.010	0	0	0	0	---	---	12
13	---	0B	0.0288	0.246	0.004	0.008	0	0	0	0	---	---	13
14	---	0B	0.0268	0.226	0.004	0.007	0	0	0	0	---	---	14
15	---	0B	0.0248	0.208	0.003	0.008	0	0	0	0	---	---	15
16	---	0B	0.0128	0.194	0.003	0.008	0	0	0	0	---	---	16
17	---	0B	0.0068	0.172	0.002	0.004	0	0	0	0	---	---	17
18	---	0B	0.0108	0.153	0.002	0.004	0	0	0	0	---	---	18
19	---	0B	0.0048	0.137	0.003	0.004	0	0	0	0	---	---	19
20	---	0B	0.0098	0.125	0.003	0.003	0	0	0	0	---	---	20
21	---	0B	0.0078	0.113	0.003	0.003	0	0	0	0	---	---	21
22	---	0B	0.0028	0.101	0.003	0.003	0	0	0	0	---	---	22
23	---	0B	0.0018	0.092	0.003	0.002	0	0	0	0	---	---	23
24	0B	0B	0.0178	0.084	0.017	0.001	0	0	0	0	---	---	24
25	0B	0B	0.1758	0.077	0.035	0.002	0	0	0	0	---	---	25
26	0B	0B	0.1308	0.072	0.020	0.001	0	0	0	0	---	---	26
27	0B	0B	0.4018	0.064	0.016	0.001	0	0	0	0	---	---	27
28	0B	0B	0.5008	0.048	0.011	0	0	0	0	0	---	---	28
29	0B		0.5188	0.035	0.008	0	0	0	0	0	---	---	29
30	0B		0.9588	0.026	0.007	0	0	0	0	0	---	---	30
31	0B		1.06 B		0.008		0	0		0		---	31
TOTAL	---	0	4.618	10.442	0.258	0.118	0.003	0	0	0	---	---	TOTAL
MEAN	---	0	0.148	0.348	0.008	0.004	0	0	0	0	---	---	MEAN
MAX	---	0	1.06	3.18	0.035	0.010	0.002	0	0	0	---	---	MAX
MIN	---	0	0	0.026	0.002	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS FEB TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.078
MAXIMUM DAILY, 3.18B ON APR 3
MINIMUM DAILY, 0B ON FEB 1
MAXIMUM INSTANTANEOUS,
4.63B AT 13:32 MST ON APR 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 45 50 N
LONG 113 14 00 W
DRAINAGE AREA, 775 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.39
FEB	0	AUG	0
MAR	380	SEP	0
APR	1 420	OCT	0
MAY	22.3	NOV	---
JUN	10.2	DEC	---

TOTAL DISCHARGE, 1 840 dam³

WEST ARROWWOOD CREEK NEAR ENSIGN - STATION NO. 05BM016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0B	0 B	0.131	0.001	0.001	0	0	0	0	---	---	1
2	---	0B	0 B	0.038	0.001	0.001	0	0	0	0	---	---	2
3	---	0B	0 B	0.018	0	0.001	0	0	0	0	---	---	3
4	---	0B	0 B	0.010	0	0.001	0	0	0	0	---	---	4
5	---	0B	0 B	0.007	0	0.001	0	0	0	0	---	---	5
6	---	0B	0 B	0.006	0	0	0	0	0	0	---	---	6
7	---	0B	0 B	0.008	0	0	0	0	0	0	---	---	7
8	---	0B	0 B	0.005	0	0	0	0	0	0	---	---	8
9	---	0B	0 B	0.004	0	0	0	0	0	0	---	---	9
10	---	0B	0 B	0.004	0	0	0	0	0	0	---	---	10
11	---	0B	0 B	0.004	0	0	0	0	0	0	---	---	11
12	---	0B	0 B	0.004	0	0	0	0	0	0	---	---	12
13	---	0B	0 B	0.004	0	0	0	0	0	0	---	---	13
14	---	0B	0 B	0.003	0	0	0	0	0	0	---	---	14
15	---	0B	0 B	0.003	0	0	0	0	0	0	---	---	15
16	---	0B	0 B	0.003	0	0	0	0	0	0	---	---	16
17	---	0B	0 B	0.003	0	0	0	0	0	0	---	---	17
18	---	0B	0 B	0.002	0	0	0	0	0	0	---	---	18
19	---	0B	0 B	0.002	0	0	0	0	0	0	---	---	19
20	---	0B	0 B	0.002	0	0	0	0	0	0	---	---	20
21	---	0B	0 B	0.002	0	0	0	0	0	0	---	---	21
22	---	0B	0 B	0.002	0	0	0	0	0	0	---	---	22
23	---	0B	0 B	0.001	0	0	0	0	0	0	---	---	23
24	0B	0B	0 B	0.001	0	0	0	0	0	0	---	---	24
25	0B	0B	0 B	0.001	0	0	0	0	0	0	---	---	25
26	0B	0B	0 B	0.002	0.001	0	0	0	0	0	---	---	26
27	0B	0B	0 B	0.002	0.001	0	0	0	0	0	---	---	27
28	0B	0B	0.0818	0.002	0.001	0	0	0	0	0	---	---	28
29	0B		0.1868	0.001	0.001	0	0	0	0	0	---	---	29
30	0B		0.382	0.001	0.001	0	0	0	0	0A	---	---	30
31	0B		0.286		0.001		0	0		0E		---	31
TOTAL	---	0	0.937	0.275	0.008	0.005	0	0	0	0	---	---	TOTAL
MEAN	---	0	0.030	0.009	0	0	0	0	0	0	---	---	MEAN
MAX	---	0	0.382	0.131	0.001	0.001	0	0	0	0	---	---	MAX
MIN	---	0	0	0.001	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.004
MAXIMUM DAILY, 0.382 ON MAR 30
MINIMUM DAILY, 0B ON FEB 1
MAXIMUM INSTANTANEOUS,
0.786 AT 00:37 MST ON MAR 30

SUMMARY FOR THE MONTHS FEB TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 30 50 N
LONG 113 20 35 W
DRAINAGE AREA, 29.6 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	0	AUG	0
MAR	61.0	SEP	0
APR	23.8	OCT	0
MAY	0.86	NOV	---
JUN	0.43	DEC	---

TOTAL DISCHARGE, 106 dam³

WEST PRAIRIE RIVER NEAR HIGH PRAIRIE - STATION NO. 07BF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0258	0.0088	0 B	0.0128	7.24A	12.3 E	1.87	3.01	7.10A	1.78	1.26 B	0.6018	1
2	0.0248	0.0088	0 B	0.0188	8.48A	10.8 E	2.24	3.42	6.67A	2.26	1.07 B	0.5238	2
3	0.0228	0.0068	0 B	0.0248	8.88	9.80E	34.7	16.2	6.78A	2.63	0.8988	0.4618	3
4	0.0188	0.0058	0 B	0.0388	8.03	8.09E	38.0	81.0	4.78A	2.71	1.01 B	0.3958	4
5	0.0168	0.0058	0 B	0.0408	7.83	8.69E	18.8	87.8	4.14A	2.72	1.20 B	0.3788	5
6	0.0198	0.0058	0 B	0.0488	7.84	8.31A	13.0	48.6 A	3.82	2.62	1.37 B	0.3878	6
7	0.0138	0.0058	0 B	0.0508	7.88	8.88	9.84	24.1 A	3.44	2.52	1.06 B	0.4338	7
8	0.0128	0.0048	0 B	0.8908	7.81	8.83	7.76	15.3 A	3.2w	2.23	1.43 B	0.4278	8
9	0.0108	0.0048	0 B	1.73 B	7.32	4.38	81.1	11.8 A	3.21	2.21	1.41 B	0.4568	9
10	0.0108	0.0048	0 B	2.17 B	8.89	4.08	88.4	8.43A	3.61A	2.17	1.37 B	0.5818	10
11	0.0088	0.0028	0 B	2.47 B	8.83	3.85	37.2	8.37	3.78A	1.78	1.07 B	0.5478	11
12	0.0088	0.0028	0 B	2.41 B	8.82	3.82	19.8	18.1 A	3.32	1.56	1.03 B	0.4748	12
13	0.0088	0.0018	0 B	2.86 B	8.08	3.19	13.4	14.6 A	3.08	1.58	1.03 B	0.4738	13
14	0.0088	0.0018	0 B	2.83 B	8.58	2.87	10.0	10.4 A	3.00	1.85	1.06 B	0.4618	14
15	0.0088	0 B	0 B	2.84 B	4.98	2.87	7.45A	8.04A	2.74	1.49	1.07 B	0.4018	15
16	0.0088	0 B	0 B	2.98 B	4.36	2.26	7.20A	6.52A	2.73	1.83	1.11 B	0.3888	16
17	0.0088	0 B	0 B	2.98 B	4.03	2.00	6.73A	5.60A	2.69	1.30	1.22 B	0.4588	17
18	0.0088	0 B	0 B	2.97 B	4.08	1.80	6.30A	5.26A	2.28A	1.12	1.20 B	0.4748	18
19	0.0088	0 B	0 B	2.48 B	4.83	1.66	4.81	5.14A	2.34A	1.10	1.28 B	0.4708	19
20	0.0088	0 B	0 B	2.82 B	78.6	1.60	4.23	5.85A	2.18A	1.16	1.26 B	0.4288	20
21	0.0088	0 B	0 B	3.85 B	125 A	1.51	4.08	5.17A	1.87A	1.16	1.32 B	0.3778	21
22	0.0068	0 B	0 B	5.04 B	88.5 A	1.41	4.20	5.12A	2.08A	1.19	1.34 B	0.3288	22
23	0.0068	0 B	0.0018	5.90 B	54.0 E	1.43	3.88	5.81	2.23A	1.17	1.34 B	0.3238	23
24	0.0068	0 B	0.0018	7.45 B	60.0 A	1.28	3.28	10.2 A	2.33A	1.14	1.34 B	0.3888	24
25	0.0068	0 B	0 B	7.84	56.8	1.29	2.85	6.80A	2.35A	1.13	1.33 B	0.4008	25
26	0.0068	0 B	0 B	7.24	42.8	1.21	2.80	6.03A	2.15A	1.12	1.33 B	0.4498	26
27	0.0078	0 B	0 B	6.84 A	30.7	1.18	3.24	6.21	2.12A	1.11	1.33 B	0.4868	27
28	0.0078	0 B	0.0018	8.86 A	23.4 A	1.26	3.31	7.76	1.88A	1.10	1.24 B	0.5868	28
29	0.0078		0.0038	8.86 A	18.0 A	1.24	3.38	8.06	1.26A	0.9588	0.8688	0.5688	29
30	0.0078		0.0068	7.12 A	15.1 A	1.40	2.80	8.18A	1.88	1.06	0.7348	0.5388	30
31	0.0078		0.0088		13.7 E		2.72	7.47A		1.06 B		0.5888	31
TOTAL	0.340	0.088	0.020	88.184	734.93	108.27	384.40	488.22	93.09	60.228	38.881	14.444	TOTAL
MEAN	0.011	0.002	0.001	3.27	23.7	3.84	12.7	15.0	3.10	1.82	1.19	0.466	MEAN
MAX	0.025	0.008	0.008	7.84	125	12.3	88.4	87.8	7.10	2.72	1.43	0.868	MAX
MIN	0.007	0	0	0.012	4.03	1.18	1.87	3.01	1.28	0.858	0.734	0.323	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.55
MAXIMUM DAILY, 125A ON MAY 21
MINIMUM DAILY, 0B ON FEB 15
MAXIMUM INSTANTANEOUS,
137 AT 04:00 MST ON MAY 21

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 28 50 N
LONG 116 29 30 W
DRAINAGE AREA, 1 150 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	29.4	JUL	34 100
FEB	4.84	AUG	42 800
MAR	1.73	SEP	6 040
APR	6 480	OCT	4 340
MAY	63 600	NOV	3 080
JUN	8 440	DEC	1 250

TOTAL DISCHARGE, 176 000 dam³

WEST WHITEMUD CREEK NEAR IRETON - STATION NO. 05DF007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.6408	0.058	0.031	0	B	0	0	---	---	1
2	---	---	0 B	1.20 B	0.003	0.020	0	B	0	0	---	---	2
3	---	---	0 B	1.78 A	0.001	0.012	0	0	0	0	---	---	3
4	---	---	0 B	3.14	0.001	0.006	0	0	0	0	---	---	4
5	---	---	0 B	1.38	0	0.001	0	0	0	0	---	---	5
6	---	---	0 B	1.00	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0.880	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0.708	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0.567	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0.540	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0.475	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0.410	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0.318	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0.244	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0.208	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0.184	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0.097	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0.072	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0.059	0.002	0	0	0	0	0	---	---	19
20	---	---	0 B	0.051	0.108	0	0	0	0	0	---	---	20
21	---	---	0 B	0.043	0.428	0	0	0	0	0	---	---	21
22	---	---	0 B	0.038	0.418	0	0	0	0	0	---	---	22
23	---	0B	0 B	0.039	0.321	0	0	0	0	0	---	---	23
24	---	0B	0 B	0.037	0.294	0	0	0	0	0	---	---	24
25	---	0B	0 B	0.038	0.285	0	0	0	0	0	---	---	25
26	---	0B	0 B	0.032	0.238	0	0	0	0	0	---	---	26
27	---	0B	0 B	0.024	0.182	0	0	0	0	0	---	---	27
28	---	0B	0 B	0.017	0.118	0	0	0	0	0	---	---	28
29	---		0 B	0.013	0.078	0	0	0	0	0	---	---	29
30	---		0 B	0.008	0.065	0	0	0	0	0	---	---	30
31	---		0.1008		0.041		0	0		0		---	31
TOTAL	---	---	0.100	14.243	2.558	0.089	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.003	0.475	0.083	0.002	0	0	0	0	---	---	MEAN
MAX	---	---	0.100	3.14	0.428	0.031	0	0	0	0	---	---	MAX
MIN	---	---	0	0.008	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.069
MAXIMUM DAILY, 3.14 ON APR 4
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
8.16 AT 05:49 MST ON APR 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 13 20 N
LONG 113 41 23 W
DRAINAGE AREA, 83.7 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	8.64	SEP	0
APR	1 230	OCT	0
MAY	221	NOV	---
JUN	5.88	DEC	---

TOTAL DISCHARGE, 1 470 dam³

REMARKS - STATION NAME WAS CHANGED IN 1988. RECORDS PRIOR TO 1988 WERE PUBLISHED UNDER WHITEMUD CREEK (WEST BRANCH) NEAR IRETON

WESTERN IRRIGATION DISTRICT CANAL NEAR CHESTERMERE LAKE - STATION NO. 05BM003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.4888	0.1718	11.4	15.8	18.9	9.08	1.10	0.1388	0.0388	1
2	---	---	---	0.4708	0.2568	12.2	14.7	18.9	8.90	0.233	0.0868	---	2
3	---	---	---	0.4768	0.3678	13.3	16.8	16.2	7.18	0.092	0.0848	---	3
4	---	---	---	0.4808	4.07	13.3	17.1	16.8	4.43	0.083	0.0858	---	4
5	---	---	---	0.4858	8.35	13.8	17.1	16.8	8.06	0.088	0.1038	---	5
6	---	---	---	0.4808	7.59	16.5	16.7	16.4	7.38	0.081	0.1088	---	6
7	---	---	---	0.5008	7.28	17.4	16.6	16.3	7.37	0.088	0.1238	---	7
8	---	---	---	0.5088	3.70	16.6	16.2	16.3	6.82	0.103	0.1418	---	8
9	---	---	---	0.5018	5.46	20.0	16.1	15.4	4.77	0.088	0.1068	---	9
10	---	---	---	0.5068	5.46	17.4	16.5	16.3	4.84	0.078	0.0848	---	10
11	---	---	---	0.5068	5.88	17.1	9.87	16.1	7.36	0.068	0.0888	---	11
12	---	---	---	0.5238	5.54	16.3	16.8	16.2	7.36	0.138	0.0988	---	12
13	---	---	---	0.5388	4.36	16.1	16.6	15.6	6.12	0.105	0.1058	---	13
14	---	---	---	0.5468	8.47	14.7	16.7	14.6	5.94	0.083	0.0838	---	14
15	---	---	---	0.5888	8.45	14.8	15.2	14.8	5.81	0.091	0.0808	---	15
16	---	---	---	0.5888	8.02	17.1	15.4	15.0	5.73	0.083	0.0808	---	16
17	---	---	---	0.5808	8.40	14.8	16.2	14.2	5.34	0.078	0.0808	---	17
18	---	---	---	0.5008	8.46	13.2	16.7	14.8	4.04	0.071	0.0888	---	18
19	---	---	---	0.2698	11.1	13.3	16.4	15.8	4.82	0.087	0.0908	---	19
20	---	---	---	0.2348	11.0	13.5	16.2	13.9	4.89	0.073	0.0818	---	20
21	---	---	---	0.2228	8.87	12.8	15.5	14.8	3.82	0.090	0.0878	---	21
22	---	---	---	0.2498	8.20	12.8	16.8	13.0	2.98	0.088	0.0878	---	22
23	---	---	---	0.5488	8.85	13.8	16.8	12.2	3.43	0.080	0.0848	---	23
24	---	---	---	0.3248	7.82	12.2	16.8	11.4	3.80	0.078	0.0818	---	24
25	---	---	---	0.2388	4.53	12.4	16.1	11.8	4.35	0.068	0.0468	---	25
26	---	---	---	0.4888	8.90	13.2	15.9	11.4	4.38	0.084	0.0438	---	26
27	---	---	---	0.5088	8.71	13.7	16.3	10.6	4.41	0.084	0.0438	---	27
28	---	---	---	0.2958	7.60	14.7	16.5	10.9	4.36	0.087	0.0448	---	28
29	---		0.4608	0.2128	4.46	15.2	15.4	9.71	4.41	0.078	0.0428	---	29
30	---		0.4608	0.1888	8.77	15.4	14.9	8.72	3.95	0.0888	0.0418	---	30
31	---		0.4608		9.02		15.3	8.48		0.1188		---	31
TOTAL	---	---	---	13.098	197.874	435.5	494.47	440.78	163.73	3.730	2.321	---	TOTAL
MEAN	---	---	---	0.436	6.38	14.5	16.0	14.2	5.46	0.120	0.077	---	MEAN
MAX	---	---	---	0.809	11.1	20.0	17.1	16.8	9.08	1.10	0.141	---	MAX
MIN	---	---	---	0.188	0.171	11.4	9.87	9.48	2.95	0.064	0.041	---	MIN

SUMMARY FOR THE MONTHS APR TO NOV

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.18
MAXIMUM DAILY, 20.0 ON JUN 9
MINIMUM DAILY, 0.041B ON NOV 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 01 00 N
LONG 113 50 30 W

B - ICE CONDITIONS

REGULATED SINCE 1908

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	42 766
FEB	---	AUG	38 100
MAR	---	SEP	14 150
APR	1 130	OCT	322
MAY	17 100	NOV	201
JUN	37 800	DEC	---

TOTAL DISCHARGE, 151 000 dam³

WHIRLPOOL RIVER NEAR THE MOUTH - STATION NO. 07AA009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	6.83	27.2	42.8	50.0	16.3	---	---	---	1
2	---	---	---	---	7.06	36.2	36.0	59.1	16.4	---	---	---	2
3	---	---	---	---	8.61	39.3	33.3	61.1	17.3	---	---	---	3
4	---	---	---	---	8.57	46.1	33.8	59.1	16.0	---	---	---	4
5	---	---	---	---	7.81	55.1	31.3	52.8	17.7	---	---	---	5
6	---	---	---	---	10.7	63.5	29.8	50.8	16.3	---	---	---	6
7	---	---	---	---	15.1	59.1	32.1	51.3	14.6	---	---	---	7
8	---	---	---	---	17.1	50.0	44.4	50.1	15.2	---	---	---	8
9	---	---	---	---	18.2	54.5	42.2	49.8	13.7	---	---	---	9
10	---	---	---	---	23.4	56.2	42.4	44.8	12.9	---	---	---	10
11	---	---	---	---	24.8	55.8	46.0	41.2	12.7	---	---	---	11
12	---	---	---	---	18.8	60.2	46.0	41.1	13.5	---	---	---	12
13	---	---	---	---	14.8	67.1	48.7	43.0	15.3	---	---	---	13
14	---	---	---	---	13.3	78.0	62.8	41.8	16.6	---	---	---	14
15	---	---	---	---	13.4	78.9	65.6	40.8	16.9	---	---	---	15
16	---	---	---	---	15.4	63.5	64.1	42.6	16.1	---	---	---	16
17	---	---	---	---	17.5	46.9	55.2	68.5	14.7	---	---	---	17
18	---	---	---	---	16.6	39.6	52.0	49.1	12.5	---	---	---	18
19	---	---	---	---	14.7	36.2	50.0	47.7	11.4	---	---	---	19
20	---	---	---	---	12.7	31.9	55.2	46.6	11.0	---	---	---	20
21	---	---	---	---	11.4	27.4	59.9	55.4	10.9	---	---	---	21
22	---	---	---	---	10.3	29.0	49.6	55.4	12.3	---	---	---	22
23	---	---	---	---	9.86	35.9	40.3	48.7	14.3	---	---	---	23
24	---	---	---	2.728	8.86	41.1	38.4	38.7	15.4	---	---	---	24
25	---	---	---	2.656	9.59	40.5	36.9	36.7	14.2A	---	---	---	25
26	---	---	---	2.868	9.44	40.9	36.7	33.7	13.4B	---	---	---	26
27	---	---	---	3.078	8.38	47.6	41.7	30.0	12.6B	---	---	---	27
28	---	---	---	3.378	9.26	37.3	44.0	26.6	11.7B	---	---	---	28
29	---		---	3.858	8.83	30.3	44.8	22.9	10.8B	---	---	---	29
30	---		---	4.748	12.2	32.0	45.3	21.2	10.0B	---	---	---	30
31	---		---		16.0		48.4	19.2		---	---	---	31
TOTAL	---	---	---	---	398.71	1 409.6	1 398.6	1 373.4	427.6	---	---	---	TOTAL
MEAN	---	---	---	---	12.8	47.0	45.1	44.3	14.3	---	---	---	MEAN
MAX	---	---	---	---	24.4	78.9	65.6	68.5	16.4	---	---	---	MAX
MIN	---	---	---	---	6.57	27.2	29.8	19.2	10.0	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 32.7
MAXIMUM DAILY, 78.9 ON JUN 15
MINIMUM DAILY, 6.57 ON MAY 4
MAXIMUM INSTANTANEOUS,
85.8 AT 03:11 MST ON JUN 15

SUMMARY FOR THE MONTHS MAY TO SEP

TYPE OF GAUGE - RECORDING
LOCATION - LAT 62 43 29 N
LONG 117 55 29 W
DRAINAGE AREA, 988 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	121 000
FEB	---	AUG	118 000
MAR	---	SEP	38 900
APR	---	OCT	---
MAY	34 400	NOV	---
JUN	122 000	DEC	---

TOTAL DISCHARGE, 433 000 dam³

WHISKEYJACK CREEK NEAR HINTON - STATION NO. 07AD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.031	0.017	0.010	0.005	0.024	---	0.003A	---	1
2	---	---	---	---	0.031	0.015	0.010	0.008	0.022	---	---	---	2
3	---	---	---	---	0.026	0.014	0.008	0.020	0.020	---	---	---	3
4	---	---	---	---	0.020	0.013	0.006	0.015	0.019	---	---	---	4
5	---	---	---	---	0.017	0.012	0.009	0.012	0.020	---	---	---	5
6	---	---	---	---	0.018	0.012	0.007	0.009	0.020	---	---	---	6
7	---	---	---	---	0.018	0.010	0.007	0.008	0.019	---	---	---	7
8	---	---	---	---	0.016	0.010	0.021	0.007	0.016	---	---	---	8
9	---	---	---	---	0.015	0.010	0.030	0.007	0.017	---	---	---	9
10	---	---	---	---	0.014	0.013	0.037	0.006	0.016	---	---	---	10
11	---	---	---	---	0.015	0.012	0.032	0.008	0.014	---	---	---	11
12	---	---	---	---	0.014	0.010	0.027	0.008	0.013	---	---	---	12
13	---	---	---	---	0.012	0.010	0.022	0.006	0.013	---	---	---	13
14	---	---	---	---	0.011	0.009	0.020	0.005	0.012	---	---	---	14
15	---	---	---	---	0.010	0.008	0.018	0.015	0.011	---	---	---	15
16	---	---	---	---	0.010	0.007	0.017	0.088	0.015	---	---	---	16
17	---	---	---	---	0.010	0.006	0.014	0.110	0.021	---	---	---	17
18	---	---	---	---	0.013	0.006	0.013	0.068	0.022	---	---	---	18
19	---	---	---	---	0.018	0.006	0.012	0.048	0.020	---	---	---	19
20	---	---	---	---	0.020	0.005	0.011	0.040	0.018	---	---	---	20
21	---	---	---	---	0.018	0.005	0.010	0.037	0.015	---	---	---	21
22	---	---	---	---	0.018	0.005	0.010	0.034	0.014	---	---	---	22
23	---	---	---	---	0.017	0.005	0.008	0.031	0.013	---	---	---	23
24	---	---	---	---	0.018	0.005	0.010	0.030	0.012	---	---	---	24
25	---	---	---	---	0.020	0.005	0.009	0.030	0.011	---	---	---	25
26	---	---	---	0.037A	0.018	0.008	0.008	0.028	0.011	---	---	---	26
27	---	---	---	0.038	0.021	0.031	0.007	0.031	0.010	---	---	---	27
28	---	---	---	0.038	0.022	0.024	0.006	0.028	0.010A	---	---	---	28
29	---		---	0.036	0.020	0.017	0.006	0.030	0.010E	---	---	---	29
30	---		---	0.034	0.019	0.012	0.006	0.030	0.010E	---	---	---	30
31	---		---		0.018		0.005	0.028		---		---	31
TOTAL	---	---	---	---	0.582	0.320	0.421	0.802	0.470	---	---	---	TOTAL
MEAN	---	---	---	---	0.018	0.011	0.014	0.026	0.016	---	---	---	MEAN
MAX	---	---	---	---	0.031	0.031	0.037	0.110	0.024	---	---	---	MAX
MIN	---	---	---	---	0.010	0.005	0.006	0.005	0.010	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 0.110 ON AUG 17

MAXIMUM INSTANTANEOUS,
0.187 AT 21:33 MST ON AUG 16

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 22 50 N
LONG 117 32 15 W
DRAINAGE AREA, 3.13 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	26.4
FEB	---	AUG	69.3
MAR	---	SEP	40.6
APR	---	OCT	---
MAY	47.7	NOV	---
JUN	27.6	DEC	---

WHITBURN DRAINAGE PROJECT NEAR SPIRIT RIVER - STATION NO. 07FD012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0 B	0	0	0	0	0	0.023	---	---	1
2	---	---	---	0 B	0	0	0	0	0	0.020	---	---	2
3	---	---	---	0 B	0	0	0	0	0	0.008	---	---	3
4	---	---	---	0.0228	0	0	0	0	0	0.002	---	---	4
5	---	---	---	0.0328	0	0	0	0	0		---	---	5
6	---	---	---	0.0278	0	0	0	0	0	0	---	---	6
7	---	---	---	0.0488	0	0	0	0	0	0	---	---	7
8	---	---	---	0.0988	0	0	0	0	0	0	---	---	8
9	---	---	---	0.1848	0	0	0	0	0	0	---	---	9
10	---	---	---	0.2908	0	0	0	0	0	0	---	---	10
11	---	---	---	0.3178	0	0	0	0	0	0	---	---	11
12	---	---	---	0.2928	0	0	0	0	0	0	---	---	12
13	---	---	---	0.181	0	0	0	0	0	0	---	---	13
14	---	---	---	0.118	0	0	0	0	0	0	---	---	14
15	---	---	---	0.108	0	0	0	0	0	0	---	---	15
16	---	---	---	0.083	0	0	0	0	0	0	---	---	16
17	---	---	---	0.065	0	0	0	0.011	0	0	---	---	17
18	---	---	---	0.056	0	0	0	0.002	0	0	---	---	18
19	---	---	---	0.058	0	0	0	0	0	0	---	---	19
20	---	---	---	0.051	0	0	0	0	0	0	---	---	20
21	---	---	---	0.043	0	0	0	0	0	0	---	---	21
22	---	---	---	0.033	0	0	0	0	0	0	---	---	22
23	---	---	0B	0.024	0	0	0	0.050	0	0	---	---	23
24	---	---	---	0.018	0	0	0	0.048	0	0	---	---	24
25	---	---	---	0.012	0	0	0	0.026	0	0	---	---	25
26	---	---	---	0.006	0	0	0.007	0.005	0	0 E	---	---	26
27	---	---	---	0.003	0	0	0	0	0	0 E	---	---	27
28	---	---	---	0	0	0	0	0	0	0 E	---	---	28
29	---		---	0	0	0	0	0	0	0 E	---	---	29
30	---		---	0	0	0	0	0	0.004	0 B	---	---	30
31	---		---		0		0	0		0 B		---	31
TOTAL	---	---	---	2.148	0	0	0.007	0.141	0.004	0.053	---	---	TOTAL
MEAN	---	---	---	0.072	0	0	0	0.005	0	0.002	---	---	MEAN
MAX	---	---	---	0.317	0	0	0.007	0.050	0.004	0.023	---	---	MAX
MIN	---	---	---	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 0.3178 ON APR 11
MINIMUM DAILY, 0B ON MAR 23
MAXIMUM INSTANTANEOUS,
0.4888 AT 18:17 MST ON APR 10

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 51 00 N
LONG 119 06 00 W
DRAINAGE AREA, 9.43 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.80
FEB	---	AUG	12.2
MAR	---	SEP	0.38
APR	186	OCT	4.58
MAY	0	NOV	---
JUN	0	DEC	---

WHITE EARTH CREEK NEAR SMOKY LAKE - STATION NO. 06EC008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0198	0.2008	0.438	0.588	0.237	0.113	0.307	0.248	0.504	---	1
2	---	---	0.0198	0.3608	0.469	0.555	0.178	0.088	0.382	0.245	0.488A	---	2
3	---	---	0.0198	0.4008	0.523	0.548	0.200	0.198	0.455	0.185	---	---	3
4	---	---	0.0198	0.4008	0.773	0.488	0.192	0.184	0.381	0.208	---	---	4
5	---	---	0.0198	0.4008	0.818	0.588	0.181	0.198	0.288	0.218	---	---	5
6	---	---	0.0198	0.4008	0.772	0.590	0.178	0.148	0.247	0.247	---	---	6
7	---	---	0.0198	0.4118	0.867	0.588	0.227	0.141	0.238	0.141	---	---	7
8	---	---	0.0198	0.5828	0.861	0.618	0.307	0.148	0.277	0.108	---	---	8
9	---	---	0.0198	0.4788	0.863	0.613	0.421	0.150	0.336	0.092	---	---	9
10	---	---	0.0198	0.4958	0.747	0.612	0.323	0.150	0.298	0.128	---	---	10
11	---	---	0.0228	0.6438	0.577	0.698	0.280	0.150	0.377	0.594	---	---	11
12	---	---	0.0228	0.8718	0.330	0.587	0.232	0.150	0.381	0.940	---	---	12
13	---	---	0.0228	0.8568	0.491	0.372	0.265	0.155	0.383	0.858	---	---	13
14	---	---	0.0228	0.8948	0.568	0.352	0.175	0.155	0.454	0.821	---	---	14
15	---	---	0.0228	0.8868	0.678	0.312	0.100	0.155	0.377	0.364	---	---	15
16	---	---	0.0228	1.40 B	0.655	0.377	0.053	0.155	0.393	0.380	---	---	16
17	---	---	0.0258	1.60 B	0.855	0.358	0.037	0.148	0.381	0.483	---	---	17
18	---	---	0.0258	1.55 B	0.708	0.294	0.034	0.211	0.378	0.487	---	---	18
19	---	---	0.0258	1.40 B	1.06	0.232	0.096	0.155	0.268	0.501	---	---	19
20	---	---	0.0298	1.31	1.50	0.180	0.068	0.210	0.258	0.388	---	---	20
21	---	---	0.0258	1.11	1.64	0.180	0.088	0.238	0.234	0.288	---	---	21
22	---	---	0.0258	1.10	1.65	0.200	0.081	0.174	0.283	0.330	---	---	22
23	---	---	0.0288	0.875	1.77	0.453	0.017	0.223	0.260	0.327	---	---	23
24	---	---	0.0288	0.835	1.64	0.288	0.048	0.188	0.258	0.377	---	---	24
25	---	---	0.0288	0.839	1.69	0.180	0.183	0.224	0.280	0.402	---	---	25
26	---	---	0.0288	0.742	1.81	0.340	0.126	0.203	0.303	0.635	---	---	26
27	---	---	0.0288	0.693	1.44	0.318	0.283	0.182	0.184	0.838	---	---	27
28	---	---	0.0288	0.856	1.04	0.343	0.456	0.201	0.204	0.888	---	---	28
29	---		0.0288	0.498	0.754	0.705	0.173	0.184	0.180	0.844	---	---	29
30	---		0.0288	0.472	0.582	0.555	0.222	0.178	0.200	0.838	---	---	30
31	---		0.0288		0.580		0.201	0.293		0.838		---	31
TOTAL	---	---	0.724	22.808	26.240	13.040	5.809	5.383	8.277	12.632	---	---	TOTAL
MEAN	---	---	0.023	0.764	0.811	0.435	0.181	0.174	0.308	0.414	---	---	MEAN
MAX	---	---	0.028	1.60	1.84	0.698	0.456	0.293	0.455	0.940	---	---	MAX
MIN	---	---	0.018	0.200	0.330	0.180	0.017	0.088	0.180	0.092	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.398
MAXIMUM DAILY, 1.84 ON MAY 24
MINIMUM DAILY, 0.017 ON JUL 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 06 55 N
LONG 113 18 00 W
DRAINAGE AREA, 1 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	488
FEB	---	AUG	466
MAR	83.8	SEP	802
APR	1 980	OCT	1 110
MAY	2 440	NOV	---
JUN	1 130	DEC	---

TOTAL DISCHARGE, 8 440 dam³

WHITEMUD CREEK NEAR ELLERSLIE - STATION NO. 05DF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1980

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	3.18 B	0.050	0.022	0.256	0.018	0.033	0.007	---	---	1
2	---	---	0 B	5.72 B	0.038	0.023	0.280	0.016	0.037	0.006	---	---	2
3	---	---	0 B	8.43 B	0.038	0.020	0.244	0.014	0.031	0.005	---	---	3
4	---	---	0 B	11.0 B	0.046	0.022	0.250	0.013	0.028	0.005	---	---	4
5	---	---	0 B	10.9 B	0.048	0.027	0.270	0.011	0.025	0.004	---	---	5
6	---	---	0 B	9.13 B	0.050	0.028	0.278	0.010	0.022	0.006	---	---	6
7	---	---	0 B	7.74 B	0.053	0.030	0.268	0.011	0.022	0.005	---	---	7
8	---	---	0 B	7.34 B	0.030	0.037	0.338	0.012	0.020	0.004	---	---	8
9	---	---	0 B	6.72 B	0.028	0.047	0.522	0.018	0.018	0.006	---	---	9
10	---	---	0 B	6.08 B	0.028	0.054	0.577	0.020	0.020	0.009	---	---	10
11	---	---	0 B	3.80 B	0.043	0.079	0.588	0.024	0.018	0.008	---	---	11
12	---	---	0 B	2.48	0.047	0.112	0.554	0.021	0.015	0.007	---	---	12
13	---	---	0 B	2.26	0.084	0.086	0.466	0.016	0.014	0.006	---	---	13
14	---	---	0 B	1.76	0.067	0.069	0.362	0.015	0.060	0.005	---	---	14
15	---	---	0 B	1.32	0.063	0.067	0.309	0.015	0.030	0.007	---	---	15
16	---	---	0 B	1.05	0.078	0.068	0.264	0.017	0.008	0.007	---	---	16
17	---	---	0 B	0.804	0.077	0.063	0.226	0.024	0.008	0.006	---	---	17
18	---	---	0 B	0.611	0.067	0.061	0.187	0.026	0.008	0.005	---	---	18
19	---	---	0 B	0.481	0.060	0.064	0.178	0.025	0.008	0.005	---	---	19
20	---	---	0 B	0.384	0.182	0.113	0.148	0.033	0.007	0.008	---	---	20
21	---	---	0 B	0.318	0.213	0.124	0.160	0.020	0.007	0.005	---	---	21
22	---	---	0 B	0.266	0.160	0.126	0.167	0.008	0.007	0.010	---	---	22
23	---	---	0 B	0.295	0.172	0.136	0.134	0.015	0.006	0.010	---	---	23
24	---	---	0 B	0.246	0.132	0.151	0.087	0.020	0.004	0.011	---	---	24
25	---	---	0 B	0.203	0.110	0.177	0.071	0.022	0.004	0.014	---	---	25
26	---	---	0 B	0.186	0.083	0.180	0.054	0.014	0.005	0.014	---	---	26
27	---	0B	0 B	0.122	0.078	0.211	0.048	0.007	0.007	0.013	---	---	27
28	---	0B	0 B	0.083	0.067	0.282	0.050	0.003	0.008	0.0228	---	---	28
29	---		0 B	0.083	0.055	0.286	0.034	0.008	0.005	0.0228	---	---	29
30	---		0.5008	0.072	0.048	0.273	0.029	0.008	0.008	0.0198	---	---	30
31	---		1.46 B		0.030		0.025	0.010		0.0158		---	31
TOTAL	---	---	1.980	83.544	3.375	3.140	7.439	0.585	0.480	0.272	---	---	TOTAL
MEAN	---	---	0.063	3.12	0.077	0.105	0.240	0.018	0.016	0.008	---	---	MEAN
MAX	---	---	1.46	11.0	0.213	0.273	0.588	0.085	0.060	0.022	---	---	MAX
MIN	---	---	0	0.072	0.028	0.020	0.025	0.003	0.004	0.004	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.448
MAXIMUM DAILY, 11.0B ON APR 4
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 24 44 N
LONG 113 38 30 W
DRAINAGE AREA, 338 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	843
FEB	---	AUG	48.2
MAR	188	SEP	41.6
APR	8 080	OCT	23.5
MAY	205	NOV	---
JUN	271	DEC	---

TOTAL DISCHARGE, 9 480 dam³

WHITEMUD RIVER NEAR DIXONVILLE - STATION NO. 07HA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1980

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1038	0.1288	22.0	36.2	1.88	2.21	4.48	2.84	2.00E	---	1
2	---	---	0.1058	0.1318	25.0	30.5	1.78	2.04	4.08	5.81	2.10A	---	2
3	---	---	0.1078	0.1348	26.7	23.9	1.74	2.76	3.88	10.9	---	---	3
4	---	---	0.1108	0.1378	27.4	18.1	1.86	3.13	3.41	10.9	---	---	4
5	---	---	0.1138	0.1408	27.3	14.9	1.81	3.10	3.37	9.83	---	---	5
6	---	---	0.1168	0.1458	26.1	11.9	1.78	3.46	3.27	8.36	---	---	6
7	---	---	0.1248	0.1508	23.6	11.0	1.68	3.68	3.27	7.10	---	---	7
8	---	---	0.1308	0.1558	22.0	12.6	1.83	3.54	3.33	8.16	---	---	8
9	---	---	0.1228	0.1688	20.6	14.5	1.74	3.16	3.26	8.43	---	---	9
10	---	---	0.1108	0.1808	17.8	13.8	1.83	2.80	3.20	4.96	---	---	10
11	---	---	0.1108	0.2258	15.6	14.0	1.81	2.86	2.88	4.47	---	---	11
12	---	---	0.1108	0.4908	13.8	11.3	1.89	2.82	2.62	4.21A	---	---	12
13	---	---	0.1108	1.04 B	12.4	8.08	1.80	6.87	2.44	3.80E	---	---	13
14	---	---	0.1168	5.72 B	10.5	7.68	1.39	7.16	2.26	3.60E	---	---	14
15	---	---	0.1258	6.61 B	9.30	6.58	1.32	6.63	2.08	3.36E	---	---	15
16	---	---	0.1168	6.17 B	8.13	6.87	1.20	6.62	1.83	3.18E	---	---	16
17	---	---	0.1068	6.02 B	7.12	6.43	1.08	6.54	1.82	2.80E	---	---	17
18	---	---	0.1038	6.18 B	6.38	6.02	1.03	6.20	2.08	2.70E	---	---	18
19	---	---	0.1018	6.60 B	5.77	4.65	0.968	4.48	2.44A	2.30E	---	---	19
20	---	---	0.1038	7.38 B	5.69	4.16	0.962	3.85	2.72A	1.70E	---	---	20
21	---	---	0.1128	8.31 B	6.38	3.63	1.30	3.42	2.67A	1.80E	---	---	21
22	---	---	0.1308	8.49 B	8.72	3.55	1.16	3.12	2.67A	2.30E	---	---	22
23	---	---	0.1258	8.31 B	13.1	3.26	1.41	3.10	2.48A	2.15E	---	---	23
24	---	---	0.1188	8.11 B	16.8	3.11	1.45	3.21	2.38A	1.80E	---	---	24
25	---	---	0.1108	8.30 B	25.0	3.02	1.47	5.33	2.27A	1.70E	---	---	25
26	---	---	0.1078	10.1	31.8	2.73	1.84	8.85	2.15	1.80E	---	---	26
27	---	---	0.1058	10.8	38.8	2.48	2.04	8.38	2.03	1.80E	---	---	27
28	---	---	0.1008	12.2	48.2	2.34	2.43	7.98	1.88	1.80E	---	---	28
29	---		0.1108	15.7	58.8	2.16	2.78	8.87	1.83	1.80E	---	---	29
30	---		0.1188	17.6	59.8	2.09	2.52	8.40	2.04	1.48E	---	---	30
31	---		0.1298		47.8		2.41	4.80		1.30E		---	31
TOTAL	---	---	3.488	197.000	669.40	282.98	51.758	138.02	81.32	124.68	---	---	TOTAL
MEAN	---	---	0.113	6.57	22.3	9.77	1.67	4.45	2.71	4.02	---	---	MEAN
MAX	---	---	0.130	17.6	59.8	36.2	2.83	8.85	4.48	10.9	---	---	MAX
MIN	---	---	0.100	0.128	5.69	2.09	0.962	2.04	1.83	1.30	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.32
MAXIMUM DAILY, 59.8 ON MAY 30
MINIMUM DAILY, 0.100B ON MAR 28
MAXIMUM INSTANTANEOUS,
61.5 AT 15:30 MST ON MAY 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 30 40 N
LONG 117 39 33 W
DRAINAGE AREA, 3 010 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4 670
FEB	---	AUG	11 800
MAR	303	SEP	7 030
APR	16 400	OCT	10 800
MAY	68 600	NOV	---
JUN	28 300	DEC	---

TOTAL DISCHARGE, 134 000 dam³

WILDHAY RIVER NEAR HINTON - STATION NO. 07AC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	4.20	12.5	13.4	8.75	21.6	10.2	---	---	1
2	---	---	---	---	4.67	16.2	13.3	18.3	21.0	9.82	---	---	2
3	---	---	---	---	4.32	17.1	12.9	27.3	20.2	9.57	---	---	3
4	---	---	---	---	4.32	18.1	12.6	26.6	19.5	9.48	---	---	4
5	---	---	---	---	4.81	20.6	12.8	23.0	19.2	9.33	---	---	5
6	---	---	---	---	5.18	22.8	12.3	21.7	19.0	9.18	---	---	6
7	---	---	---	---	5.55	21.8	12.1	19.8	18.7	8.85	---	---	7
8	---	---	---	---	10.3	20.4	13.0	19.4	19.3	8.71	---	---	8
9	---	---	---	---	11.1	20.8	14.8	17.4	18.9	8.58	---	---	9
10	---	---	---	---	11.8	22.0	17.9	17.9	18.4	8.74	---	---	10
11	---	---	---	---	12.3	21.3	22.3	18.7	17.8	8.81	---	---	11
12	---	---	---	---	11.3	20.8	22.0	18.8	17.3	8.38	---	---	12
13	---	---	---	---	10.0	21.2	20.8	18.1	16.7	8.07	---	---	13
14	---	---	---	---	9.37	21.7	20.5	14.7	16.1	7.73	---	---	14
15	---	---	---	---	8.95	21.2	19.8	16.1	16.8	7.80	---	---	15
16	---	---	---	---	8.93	20.0	18.8	15.8	16.0	7.14	---	---	16
17	---	---	---	---	8.13	17.8	17.8	43.0	16.1	8.68	---	---	17
18	---	---	---	---	10.0	16.8	18.4	48.6	15.4	8.88	---	---	18
19	---	---	---	---	10.3	16.3	16.8	44.0	14.8	8.91	---	---	19
20	---	---	---	---	8.98	14.3	15.3	40.2	14.3	8.88	---	---	20
21	---	---	---	---	8.18	13.3	14.7	37.6	13.8	8.72	---	---	21
22	---	---	---	---	8.68	13.1	14.0	35.4	13.3	8.55	---	---	22
23	---	---	---	---	8.18	13.5	13.2	32.3	12.7	8.47	---	---	23
24	---	---	---	---	8.12	14.1	13.8	30.0	12.3	8.40	---	---	24
25	---	---	---	3.068	8.47	14.2	13.1	28.6	11.9	8.37	---	---	25
26	---	---	---	2.418	8.26	13.8	11.8	27.3	11.6	8.33	---	---	26
27	---	---	---	2.768	8.32	14.7	11.0	28.1	11.0	8.09	---	---	27
28	---	---	---	3.108	8.19	14.8	10.8	28.1	10.6	5.79	---	---	28
29	---	---	---	3.458	8.02	14.0	10.3	24.8	10.5	5.62	---	---	29
30	---	---	---	3.788	8.03	13.4	10.0	24.0	10.5	5.52	---	---	30
31	---		---		8.84		9.81	23.0		4.348		---	31
TOTAL	---	---	---	---	262.68	521.8	454.01	781.18	474.4	233.64	---	---	TOTAL
MEAN	---	---	---	---	8.48	17.4	14.6	25.2	15.8	7.54	---	---	MEAN
MAX	---	---	---	---	12.3	22.8	22.3	48.6	21.6	10.2	---	---	MAX
MIN	---	---	---	---	4.20	12.5	9.81	8.75	10.5	4.34	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 14.8
MAXIMUM DAILY, 48.6 ON AUG 16
MINIMUM DAILY, 4.20 ON MAY 1
MAXIMUM INSTANTANEOUS,
50.1 AT 19:37 MST ON AUG 17

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 31 24 N
LONG 117 58 48 W
DRAINAGE AREA, 958 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	39 200
FEB	---	AUG	67 500
MAR	---	SEP	41 000
APR	---	OCT	30 200
MAY	32 700	NOV	---
JUN	45 100	DEC	---

TOTAL DISCHARGE, 236 000 dam³

WILLOW CREEK ABOVE CHAIN LAKES - STATION NO. 05AB026

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0318	0.0288	0.0288	0.0828	1.42	2.34	0.2938	0.048	0.202	0.180	0.1808	0.1348	1
2	0.0288	0.0318	0.0278	0.0848	2.10	2.39	0.2198	0.081	0.178	0.184	0.1738	0.1388	2
3	0.0328	0.0228	0.0308	0.0858	2.24	2.31	0.2038	0.086	0.243	0.190	0.1818	0.1348	3
4	0.0328	0.0238	0.0358	0.1058	2.13	2.11	0.1878	0.092	0.208	0.181	0.2008	0.1328	4
5	0.0328	0.0248	0.0808	0.1448	2.13	1.98	0.1738	0.082	0.227	0.174	0.2048	0.1388	5
6	0.0328	0.0288	0.0598	0.2208	2.75	1.85	0.1588	0.084	0.286	0.187	0.1788	0.1328	6
7	0.0348	0.0278	0.0628	0.2648	3.58	1.86	0.1258	0.082	0.284	0.188	0.1758	0.1188	7
8	0.0238	0.0288	0.0648	0.1888	3.48	1.62	0.1138	0.100	0.262	0.188	0.1808	0.1108	8
9	0.0208	0.0298	0.0628	0.1568	3.17	1.48	0.1008	0.112	0.283	0.184	0.1888	0.1088	9
10	0.0238	0.0308	0.0608	0.1878	3.18	1.43	0.2638	0.108	0.287	0.183	0.1808	0.0898	10
11	0.0288	0.0388	0.0588	0.2288	3.18	1.83	0.4718	0.084	0.303	0.178	0.1808	0.0808	11
12	0.0318	0.0288	0.0878	0.2918	3.48	1.38	0.2898	0.088	0.308	0.182	0.1408	0.0888	12
13	0.0328	0.0288	0.0588	0.4298	3.05	1.33	0.2318	0.080	0.287	0.178	0.1308	0.0808	13
14	0.0328	0.0288	0.0528	0.5678	1.75	1.09	0.2618	0.088	0.258	0.177	0.1308	0.0908	14
15	0.0318	0.0288	0.0508	0.7138	1.56	0.986	0.1888	0.086	0.245	0.197	0.1308	0.0898	15
16	0.0308	0.0288	0.0488	0.6708	1.43	1.05	0.1818	0.088	0.232	0.177	0.1808	0.0878	16
17	0.0308	0.0248	0.0488	0.5888	1.38	0.974	0.1748	0.080	0.218	0.174	0.2008	0.0838	17
18	0.0328	0.0228	0.0488	0.7458	1.33	0.858	0.1648	0.080	0.230	0.183	0.2858	0.0778	18
19	0.0408	0.0238	0.0488	1.08	1.23	0.787	0.1538	0.080	0.232	0.182	0.2878	0.0858	19
20	0.0488	0.0248	0.0808	1.32	1.11	0.730	0.1438	0.087	0.235	0.184	0.3078	0.0828	20
21	0.0808	0.0278	0.0848	1.41	1.04	0.885	0.1338	0.073	0.214	0.183	0.2808	0.0808	21
22	0.0488	0.0308	0.0888	1.58	1.02	0.838	0.1238	0.080	0.190	0.183	0.2008	0.0808	22
23	0.0418	0.0388	0.0828	1.31	1.13	0.810	0.1138	0.084	0.181	0.147	0.1508	0.0848	23
24	0.0388	0.0348	0.0898	1.05	1.17	0.898	0.1028	0.083	0.177	0.144	0.1308	0.0888	24
25	0.0348	0.0338	0.0718	0.985	1.23	0.878	0.0928	0.088	0.170	0.143	0.1158	0.0788	25
26	0.0408	0.0318	0.0818	0.943	1.28	0.886	0.082A	0.105	0.188	0.141	0.1028	0.0808	26
27	0.0448	0.0308	0.0918	0.841	1.26	0.828A	0.078	0.217	0.148	0.147	0.1028	0.0848	27
28	0.0488	0.0278	0.0938	0.833	1.42	0.440E	0.088	0.288	0.144	0.172	0.1108	0.0888	28
29	0.0488		0.0848	0.972	1.43	0.384E	0.080	0.284	0.142	0.1838	0.1338	0.0858	29
30	0.0438		0.0818	1.18	1.06	0.381E	0.089	0.236	0.147	0.1678	0.1338	0.0858	30
31	0.0378		0.0808		1.28		0.083	0.238		0.1538		0.0858	31
TOTAL	1.077	0.788	1.810	19.232	58.98	35.819	5.013	3.084	6.840	5.155	5.104	3.857	TOTAL
MEAN	0.035	0.027	0.058	0.641	1.90	1.19	0.162	0.099	0.221	0.166	0.170	0.082	MEAN
MAX	0.050	0.035	0.093	1.58	3.58	2.39	0.471	0.288	0.308	0.184	0.307	0.136	MAX
MIN	0.020	0.021	0.018	0.083	1.02	0.381	0.083	0.048	0.142	0.141	0.102	0.068	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.388
MAXIMUM DAILY, 3.58 ON MAY 7
MINIMUM DAILY, 0.0208 ON JAN 9
MAXIMUM INSTANTANEOUS,
3.78 AT 00:31 MST ON MAY 8

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 11 47 N
LONG 114 13 48 W
DRAINAGE AREA, 182 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	83.1	JUL	433
FEB	68.2	AUG	266
MAR	156	SEP	574
APR	1 680	OCT	445
MAY	5 100	NOV	441
JUN	3 080	DEC	248

TOTAL DISCHARGE, 12 800 dam³

WILLOW CREEK BELOW LANE CREEK - STATION NO. 05AB039

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.395 B	0.700 B	1.04	2.01	0.205	0.578	0.543	0.515	---	---	1
2	---	---	0.400 B	0.680 B	1.31	1.93	0.195	0.308	0.481	0.443	---	---	2
3	---	---	0.410 B	0.662 B	2.01	1.63	0.188	0.314	0.428	0.452	---	---	3
4	---	---	0.420 B	0.680 B	1.75	1.66	0.179	0.347	0.393	0.436	---	---	4
5	---	---	0.435 B	0.700 B	1.65	1.45	0.208	0.380	0.397	0.458	---	---	5
6	---	---	0.450 B	0.730 B	1.50	1.27	0.213	0.388	0.420	0.482	---	---	6
7	---	---	0.470 B	0.770 B	1.88	1.17	0.218	0.372	0.411	0.488	---	---	7
8	---	---	0.480 B	0.800 B	2.21	1.08	0.234	0.384	0.388	0.488	---	---	8
9	---	---	0.490 B	1.04 B	1.88	1.10	0.388	0.347	0.370	0.488	---	---	9
10	---	---	0.500 B	1.14 B	1.88	1.27	1.04	0.342	0.388	0.488	---	---	10
11	---	---	0.488 B	1.18 B	1.88	1.78	1.24	0.358	0.381	0.532	---	---	11
12	---	---	0.490 B	1.33 B	1.70	1.47	1.23	0.383	0.387	0.514	---	---	12
13	---	---	0.488 B	1.65 B	1.40	1.27	1.20	0.348	0.322	0.520	---	---	13
14	---	---	0.480 B	1.88 B	1.23	1.10	1.18	0.355	0.285	0.538	---	---	14
15	---	---	0.470 B	2.08 B	1.11	0.974	1.20	0.358	0.280	0.548	---	---	15
16	---	---	0.480 B	1.88 B	1.01	0.933	1.28	0.327	0.238	0.568	---	---	16
17	---	---	0.458 B	1.11 B	0.888	0.880	1.17	0.338	0.228	0.542	---	---	17
18	---	---	0.490 B	1.12 B	0.801	0.807	1.12	0.343	0.230	0.541	---	---	18
19	---	---	0.478 B	1.24	0.838	0.713	1.04	0.358	0.228	0.548	---	---	19
20	---	---	0.480 B	1.48	0.788	0.863	1.00	0.408	0.238	0.524	---	---	20
21	---	---	0.500 B	1.52	0.700	0.633	0.855	0.356	0.228	0.534	---	---	21
22	---	---	0.507 B	1.60	0.672	0.586	0.886	0.335	0.218	0.526	---	---	22
23	---	---	0.550 B	1.53	0.730	0.606	0.670	0.330	0.231	0.523	---	---	23
24	---	---	0.580 B	1.28	0.921	0.567	0.667	0.333	0.285	0.528	---	---	24
25	---	---	0.600 B	1.05	0.888	0.680	0.686	0.384	0.394	0.525	---	---	25
26	---	---	0.625 B	1.11	1.01	0.818	0.640	0.408	0.330	0.538	---	---	26
27	---	---	0.650 B	1.14	0.988	0.697	0.823	0.480	0.330	0.583	---	---	27
28	---	0.381 B	0.670 B	1.05	1.30	0.412	0.788	0.693	0.338	0.537	---	---	28
29	---		0.680 B	0.935	1.38	0.310	0.774	0.694	0.346	0.5488	---	---	29
30	---		0.700 B	0.877	1.48	0.251	0.757	0.662	0.351	0.5028	---	---	30
31	---		0.710 B		1.81		0.741	0.612		0.5238		---	31
TOTAL	---	---	15.987	34.914	40.943	30.871	23.918	12.548	9.888	15.082	---	---	TOTAL
MEAN	---	---	0.516	1.16	1.32	1.03	0.772	0.405	0.330	0.516	---	---	MEAN
MAX	---	---	0.710	2.08	2.21	2.01	1.28	0.694	0.543	0.837	---	---	MAX
MIN	---	---	0.385	0.662	0.672	0.251	0.179	0.308	0.218	0.418	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.758
MAXIMUM DAILY, 2.21 ON MAY 8
MINIMUM DAILY, 0.179 ON JUL 4
MAXIMUM INSTANTANEOUS,
2.52 AT 12:33 MST ON MAY 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 08 25 N
LONG 113 56 21 W
DRAINAGE AREA, 727 km²

B - ICE CONDITIONS

REGULATED SINCE 1988

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 070
FEB	---	AUG	1 080
MAR	1 580	SEP	856
APR	3 020	OCT	1 580
MAY	3 640	NOV	---
JUN	2 670	DEC	---

TOTAL DISCHARGE, 16 000 dam³

WILLOW CREEK NEAR CLARESHOLM - STATION NO. 05AB021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.180 B	0.360 B	0.380 B	1.14 B	0.823	1.72	0.305	0.481	0.446	0.320	0.404 B	0.458 B	1
2	0.188 B	0.340 B	0.380 B	1.15 B	0.938	1.66	0.278	0.555	0.483	0.343	0.447 B	0.362 B	2
3	0.182 B	0.388 B	0.388 B	1.16 B	1.28	1.77	0.201	0.267	0.538	0.384	0.388 B	0.412 B	3
4	0.181 B	0.288 B	0.405 B	1.14 B	1.74	1.88	0.194	0.180	0.483	0.410	0.781 B	0.428 B	4
5	0.181 B	0.270 B	0.410 B	1.12 B	1.47	1.48	0.138	0.188	0.382	0.405	0.708 B	0.432 B	5
6	0.180 B	0.280 B	0.425 B	1.08 B	1.33	1.25	0.088	0.208	0.385	0.427	0.588 B	0.428 B	6
7	0.182 B	0.300 B	0.445 B	1.06 B	1.27	1.10	0.088	0.218	0.344	0.444	0.780 B	0.410 B	7
8	0.180 B	0.320 B	0.460 B	1.03 B	1.88	1.03	0.037	0.206	0.388	0.437	0.801 B	0.400 B	8
9	0.200 B	0.338 B	0.488 B	1.02 B	2.08	1.01	0.018	0.181	0.382	0.424	0.813 B	0.388 B	9
10	0.230 B	0.348 B	0.488 B	1.02 B	1.88	1.24	0.032	0.231	0.350	0.429	0.928 B	0.385 B	10
11	0.280 B	0.358 B	0.500 B	1.08 B	1.77	1.36	0.471	0.188	0.382	0.457	0.748 B	0.267 B	11
12	0.330 B	0.370 B	0.510 B	1.13 B	1.81	1.84	0.718	0.188	0.371	0.474	0.788 B	0.238 B	12
13	0.380 B	0.388 B	0.520 B	0.838 B	1.63	1.36	0.781	0.170	0.352	0.444	0.885 B	0.188 B	13
14	0.410 B	0.398 B	0.521 B	1.35 B	1.38	1.28	0.812	0.183	0.312	0.460	0.671 B	0.183 B	14
15	0.420 B	0.400 B	0.521 B	1.72 B	1.24	1.06	0.708	0.212	0.247	0.442	0.588 B	0.481 B	15
16	0.420 B	0.405 B	0.520 B	1.63	1.08	0.868	0.732	0.208	0.208	0.485	0.658 B	0.405 B	16
17	0.420 B	0.408 B	0.510 B	1.58	0.967	1.01	1.02	0.184	0.173	0.484	0.785 B	0.384 B	17
18	0.418 B	0.410 B	0.500 B	1.18	0.823	0.867	0.686	0.192	0.178	0.488	0.822 B	0.362 B	18
19	0.410 B	0.418 B	0.500 B	1.17	0.806	0.770	0.642	0.228	0.162	0.478	0.843 B	0.332 B	19
20	0.410 B	0.420 B	0.510 B	1.28	0.705	0.828	0.852	0.263	0.148	0.481	0.818 B	0.281 B	20
21	0.410 B	0.420 B	0.523 B	1.48	0.888	0.857	0.815	0.288	0.143	0.480	0.881 B	0.258 B	21
22	0.418 B	0.420 B	0.540 B	1.48	0.848	0.827	0.838	0.248	0.148	0.475	0.858 B	0.378 B	22
23	0.418 B	0.420 B	0.580 B	1.50	0.488	0.881	0.801	0.208	0.140	0.483	0.838 B	0.458 B	23
24	0.418 B	0.418 B	0.630 B	1.33	0.835	0.828	0.892	0.207	0.118	0.483	0.818 B	0.408 B	24
25	0.418 B	0.410 B	0.670 B	1.09	0.857	0.878	0.885	0.253	0.112	0.488	0.808 B	0.378 B	25
26	0.418 B	0.408 B	0.680 B	1.08	0.912	0.878	0.883	0.281	0.188	0.484	0.888 B	0.882 B	26
27	0.418 B	0.408 B	0.720 B	1.08	0.873	0.880	0.888	0.438	0.197	0.478	0.858 B	0.808 B	27
28	0.418 B	0.388 B	0.880 B	1.08	1.00	0.814	0.822	0.808	0.231	0.518	0.803 B	0.388 B	28
29	0.418 B		1.00 B	0.841	1.27	0.788	0.841	0.583	0.247	0.520	0.478 B	0.457 B	29
30	0.418 B		1.08 B	0.828	1.20	0.318	0.458	0.524	0.283	0.518 B	0.478 B	0.323 B	30
31	0.408 B		1.12 B		1.43		0.444	0.484		0.557 B		0.304 B	31
TOTAL	10.338	10.318	17.778	38.018	38.825	30.282	14.741	8.785	8.387	14.128	19.878	13.212	TOTAL
MEAN	0.333	0.368	0.573	1.20	1.19	1.01	0.478	0.283	0.280	0.456	0.656	0.384	MEAN
MAX	0.420	0.420	1.12	1.63	2.08	1.86	1.02	0.583	0.536	0.557	0.943	0.877	MAX
MIN	0.180	0.268	0.380	0.828	0.488	0.318	0.018	0.188	0.112	0.320	0.408	0.188	MIN

SUMMARY FOR THE YEAR 1989

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.602
MAXIMUM DAILY, 2.08 ON MAY 8
MINIMUM DAILY, 0.018 ON JUL 8
MAXIMUM INSTANTANEOUS,
2.18 AT 06:53 MST ON MAY 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 01 05 N
LONG 113 42 50 W
DRAINAGE AREA, 1 180 km²

B - ICE CONDITIONS

REGULATED SINCE 1988

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	893	JUL	1 270
FEB	892	AUG	787
MAR	1 640	SEP	726
APR	3 110	OCT	1 220
MAY	3 180	NOV	1 700
JUN	2 620	DEC	1 080

TOTAL DISCHARGE, 19 000 dam³

WILLOW CREEK NEAR NOLAN - STATION NO. 06AE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1638	0.9308	1.05	1.04	0.842	0.513	0.766	0.447	0.426	---	1
2	---	---	0.1628	1.20 B	1.05	1.17	0.784	0.737	0.708	0.468	0.480	---	2
3	---	---	0.1638	1.70 B	1.17	1.33	0.700	0.721	0.782	0.513	0.469A	---	3
4	---	---	0.1668	2.50 B	1.36	1.37	0.702	0.773	0.776	0.584	---	---	4
5	---	---	0.1638	3.28 B	1.54	1.31	0.772	0.778	0.814	0.572	---	---	5
6	---	---	0.2048	2.85 B	1.37	1.19	0.788	0.728	0.777	0.613	---	---	6
7	---	---	0.2338	2.68 B	1.21	0.954	0.857	0.718	0.708	0.639	---	---	7
8	---	---	0.2658	2.78 B	1.04	0.888	0.838	0.761	0.669	0.655	---	---	8
9	---	---	0.2708	2.72 B	1.27	0.894	0.805	0.883	0.834	0.650	---	---	9
10	---	---	0.2738	2.68 B	1.44	1.66	0.832	0.850	0.800	0.648	---	---	10
11	---	---	0.2658	2.80 B	1.19	1.88	0.858	0.853	0.808	0.822	---	---	11
12	---	---	0.2388	2.36	1.19	1.88	0.880	0.838	0.808	0.814	---	---	12
13	---	---	0.2188	2.17	0.941	1.88	0.823	0.813	0.824	0.821	---	---	13
14	---	---	0.2108	2.38	0.803	1.88	1.24	0.861	0.870	0.681	---	---	14
15	---	---	0.2018	2.81	0.844	1.41	1.20	0.830	0.869	0.674	---	---	15
16	---	---	0.1888	2.74	0.707	1.32	1.21	0.858	0.624	0.801	---	---	16
17	---	---	0.1878	2.85	0.618	1.20	1.14	0.808	0.808	0.663	---	---	17
18	---	---	0.2048	2.35	0.728	1.14	1.15	0.810	0.497	0.822	---	---	18
19	---	---	0.2308	1.75	0.780	1.08	1.27	0.830	0.338	0.880	---	---	19
20	---	---	0.2638	1.82	0.718	1.01	1.12	0.884	0.335	0.841	---	---	20
21	---	---	0.2858	1.81	0.715	0.958	0.888	0.878	0.291	0.838	---	---	21
22	---	---	0.3258	1.84	0.632	0.907	0.844	0.881	0.305	0.485	---	---	22
23	---	---	0.3558	1.70	0.632	0.915	0.833	0.862	0.287	0.489	---	---	23
24	---	---	0.3838	1.71	0.652	1.05	0.781	0.841	0.360	0.423	---	---	24
25	---	---	0.4608	1.82	0.878	1.22	0.785	0.713	0.333	0.488	---	---	25
26	---	---	0.5858	1.85	0.759	1.06	0.738	0.841	0.360	0.488	---	---	26
27	---	0.1768	0.6108	1.68	1.08	1.04	0.807	0.738	0.381	0.488	---	---	27
28	---	0.1708	0.6758	1.72	1.42	1.03	0.858	0.842	0.358	0.517	---	---	28
29	---	---	0.7438	1.84	1.68	1.02	0.847	0.848	0.308	0.584	---	---	29
30	---	---	0.8208	1.26	1.54	0.982	0.884	0.830	0.347	0.588	---	---	30
31	---	---	0.8008		1.32		0.832	0.758		0.594	---	---	31
TOTAL	---	---	10.420	63.180	32.043	35.957	28.024	25.451	16.110	17.145	---	---	TOTAL
MEAN	---	---	0.336	2.11	1.03	1.20	0.904	0.821	0.537	0.553	---	---	MEAN
MAX	---	---	0.900	3.28	1.54	1.88	1.27	0.949	0.814	0.655	---	---	MAX
MIN	---	---	0.162	0.850	0.632	0.888	0.700	0.713	0.287	0.423	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.932
MAXIMUM DAILY, 3.288 ON APR 5
MINIMUM DAILY, 0.1628 ON MAR 2
MAXIMUM INSTANTANEOUS,
8.508 AT 07:15 MST ON APR 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 47 33 N
LONG 113 32 13 W
DRAINAGE AREA, 2 280 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1966

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 420
FEB	---	AUG	2 200
MAR	800	SEP	1 390
APR	5 480	OCT	1 480
MAY	2 770	NOV	---
JUN	3 110	DEC	---

TOTAL DISCHARGE, 19 700 dam³

WILLOW RIVER NEAR WABASCA - STATION NO. 07JA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.2778	0.2698	8.88	18.9	5.17	4.97	7.33	2.47	1.13	---	1
2	---	---	0.2708	0.2638	7.39	18.2	7.61	5.08	6.84	2.88	1.37A	---	2
3	---	---	0.2508	0.2878	7.31	16.8	14.7	7.03	6.45	2.88	---	---	3
4	---	---	0.2438	0.2998	8.85	15.8	16.0	12.1	8.15	2.73	---	---	4
5	---	---	0.2428	0.3228	8.15	14.0	16.7	17.4	8.43	2.58	---	---	5
6	---	---	0.2478	0.3468	5.37	12.2	14.8	17.1	5.08	2.80	---	---	6
7	---	---	0.2448	0.4258	8.33	12.0	11.8	14.3	4.47	2.70	---	---	7
8	---	---	0.2378	0.7618	4.90	12.9	9.50	11.6	3.52A	2.78	---	---	8
9	---	---	0.2308	0.6848	4.58	13.4	8.45	9.77	3.52A	2.67	---	---	9
10	---	---	0.2278	0.6888	4.28	13.0 A	8.02	8.81A	3.18	2.58	---	---	10
11	---	---	0.2278	0.6288	4.08	11.4 A	7.22	8.87A	2.74	2.43	---	---	11
12	---	---	0.2328	0.7868	4.17	9.86A	6.18	8.20E	2.62	2.37	---	---	12
13	---	---	0.2368	0.7868	4.18	8.06A	5.30	8.40E	2.38	2.32	---	---	13
14	---	---	0.2368	0.8748	3.88	7.06A	4.87	8.48E	2.28	2.15	---	---	14
15	---	---	0.2348	1.24 B	3.24	8.31A	4.24	8.20E	2.18	2.06	---	---	15
16	---	---	0.2368	1.18 B	2.98	5.49A	3.81	8.50E	2.08	1.84	---	---	16
17	---	---	0.2368	1.18 B	2.60	4.90A	3.80E	8.10E	2.01	1.71	---	---	17
18	---	---	0.2368	1.12 B	2.41	4.44	3.88E	8.40E	1.97	1.80	---	---	18
19	---	---	0.2358	1.20 B	2.88	3.97	3.80E	8.20E	2.01	1.80	---	---	19
20	---	---	0.2368	1.80 B	4.44	3.99	3.40E	8.70E	1.98	1.78	---	---	20
21	---	0.3228	0.2398	2.80 B	8.18	4.52	4.40	8.30E	1.83	1.71	---	---	21
22	---	0.3278	0.2428	2.80 B	10.6	5.52	5.48	8.10E	1.88	1.88	---	---	22
23	---	0.3248	0.2448	4.48 B	12.4 A	6.81	5.48A	8.80E	1.80	1.82	---	---	23
24	---	0.3068	0.2428	4.20 B	15.3 A	7.23	5.13A	8.80E	1.78	1.87	---	---	24
25	---	0.2928	0.2368	3.78 B	20.3 A	7.07	4.78A	7.20E	1.78	1.82	---	---	25
26	---	0.2938	0.2358	3.88 B	25.4 A	6.89	4.48A	7.30E	1.68	1.80	---	---	26
27	---	0.2918	0.2358	3.74 B	33.2 A	6.81	4.07	6.80E	1.80	1.48	---	---	27
28	---	0.2628	0.2358	4.84 B	33.3 A	6.27	3.63	6.40E	1.84	1.37	---	---	28
29	---		0.2308	5.18 B	28.8 A	4.88	3.18	7.40E	1.48	1.07	---	---	29
30	---		0.2398	5.27	22.8 A	4.77	3.13	8.20E	1.63	1.84	---	---	30
31	---		0.2618		20.2		3.84	7.80A		1.48	---	---	31
TOTAL	---	---	7.441	58.087	321.68	270.71	207.15	242.69	81.51	84.04	---	---	TOTAL
MEAN	---	---	0.240	1.94	10.4	9.02	6.68	7.83	3.05	2.67	---	---	MEAN
MAX	---	---	0.277	5.27	33.3	18.9	16.0	17.4	7.33	2.88	---	---	MAX
MIN	---	---	0.227	0.268	2.41	3.97	3.13	4.97	1.48	1.07	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.15
MAXIMUM DAILY, 33.3A ON MAY 26
MINIMUM DAILY, 0.2278 ON MAR 10
MAXIMUM INSTANTANEOUS,
35.8 AT 22:00 MST ON MAY 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 54 45 N
LONG 113 55 17 W
DRAINAGE AREA, 1 030 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	17 800
FEB	---	AUG	21 000
MAR	843	SEP	7 810
APR	5 020	OCT	5 530
MAY	27 800	NOV	---
JUN	33 400	DEC	---

TOTAL DISCHARGE, 109 000 dam³

REMARKS - PEAK DISCHARGE WAS DERIVED FROM HIGH WATER MARK

WINAGAMI LAKE AT PROVINCIAL PARK - STATION NO. 07BF006

DAILY WATER LEVEL IN METRES FOR 1969

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	821.681	821.678	---	---	---	---	---	1
2	---	---	---	---	---	821.680	821.728	821.777	---	821.633	---	---	2
3	---	---	---	---	821.718	821.680	821.728	821.782	---	821.630	---	---	3
4	---	---	---	---	---	---	---	821.787	---	821.632	---	---	4
5	---	---	---	---	---	---	821.738	821.787	---	---	---	---	5
6	---	---	---	821.681	---	---	821.748	---	821.685	---	---	---	6
7	---	---	---	---	821.721	821.685	821.748	---	---	---	---	---	7
8	---	---	---	---	---	821.685	821.788	---	---	---	---	---	8
9	---	---	---	---	---	821.685	821.778	821.777	---	---	---	---	9
10	---	---	---	---	821.700	821.678	---	821.777	---	---	---	---	10
11	---	---	---	821.681	821.700	821.678	821.778	821.787	821.678	---	---	---	11
12	---	---	---	---	821.700	---	821.778	---	---	---	---	---	12
13	---	---	---	821.681	821.680	---	821.778	821.777	---	---	---	---	13
14	---	---	---	---	821.680	821.685	821.778	---	821.685	---	---	---	14
15	---	---	---	---	---	821.685	821.778	---	---	---	---	---	15
16	---	---	---	---	---	821.645	821.788	821.787	---	---	---	---	16
17	---	---	---	821.708	821.680	821.648	---	821.787	---	821.685	---	---	17
18	---	---	---	821.711	821.680	821.645	---	821.787	---	---	---	---	18
19	---	---	---	821.711	821.710	821.634	821.778	821.787	---	---	---	---	19
20	---	---	---	821.711	821.710	821.628	821.778	821.787	---	821.654	---	---	20
21	---	---	---	821.711	821.710	---	821.778	821.781	---	---	---	---	21
22	---	---	821.684	---	---	---	821.778	---	---	---	---	---	22
23	---	---	---	---	---	---	821.778	---	---	---	---	---	23
24	---	821.622	---	---	821.715	821.648	821.788	821.787	---	821.644	---	---	24
25	---	---	---	821.716	821.720	821.638	821.772	821.777	---	---	---	---	25
	---	---	---	821.711	821.700	821.628	---	---	---	821.644	---	---	26
26	---	---	---	821.713	---	821.588	821.788	---	---	821.638	---	---	26
27	---	---	---	821.711	821.700	---	821.788	821.788	---	---	---	---	27
28	---	---	---	821.711	---	821.658	821.788	821.788	---	---	---	---	28
29	---	---	---	---	821.700	821.638	821.787	---	---	---	---	---	29
30	---	---	---	---	821.690	---	821.787	821.748	---	821.640	---	---	30
31	---	---	---	---	821.690	---	---	821.738	---	---	---	---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1969

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 37 27 N
LONG 115 40 51 W

REGULATED

DRAINAGE AREA, 2 350 km²

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

WOLF CREEK AT HIGHWAY NO. 16A - STATION NO. 07AG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1969

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.442B	0.480B	0.442B	0.480B	3.48	2.54	20.7	7.80E	18.3	4.04	3.88B	2.02B	1
2	0.440B	0.450B	0.440B	0.480B	5.65	2.35	18.4	11.0 E	16.8	3.87	3.80B	1.97B	2
3	0.440B	0.438B	0.438B	0.480B	8.48	2.12	17.1	13.3 E	16.3	3.87	3.84B	1.97B	3
4	0.438B	0.420B	0.438B	0.430B	8.18	1.93	13.9	14.5 E	15.4	3.69	3.74B	1.96B	4
5	0.438B	0.415B	0.440B	0.410B	7.30	1.76	11.3	12.0 E	14.4	3.62	3.70B	1.86B	5
6	0.433B	0.415B	0.480B	0.390B	8.38	1.84	11.2	10.0 E	13.4	3.52	3.85B	1.89B	6
7	0.430B	0.415B	0.500B	0.390B	5.83	1.54	9.32	8.00E	12.2	3.46	3.80B	1.84B	7
8	0.425B	0.430B	0.540B	0.360B	5.12	1.46	10.4	7.00E	12.0	3.48	3.78B	1.78B	8
9	0.426B	0.445B	0.500B	0.385B	4.48	1.82	29.1	6.60E	11.3	3.36	3.80B	1.73B	9
10	0.430B	0.438B	0.470B	0.370B	3.83	8.22	36.8	5.30E	10.4	3.29	3.65B	1.61B	10
11	0.425B	0.480B	0.480B	0.381B	3.65	13.8	42.1	5.40E	8.81	4.12	3.52B	1.53B	11
12	0.422B	0.430B	0.480B	0.400B	3.28	12.6	34.7	5.20E	8.88	5.58	3.40B	1.56B	12
13	0.420B	0.420B	0.445B	0.420B	2.85	9.74	23.8	4.80E	8.11A	5.44	3.20B	1.62B	13
14	0.420B	0.420B	0.425B	0.500B	2.86	7.72	17.0	4.40E	7.27A	5.03	3.08B	1.84B	14
15	0.420B	0.420B	0.430B	0.880B	2.45	6.86	12.7	8.00E	8.88A	4.70	3.00B	1.86B	15
16	0.420B	0.425B	0.425B	0.800B	2.30	8.43	13.2	25.0 E	8.28A	4.42	3.20B	1.88B	16
17	0.430B	0.445B	0.422B	1.30 B	2.15	8.48	12.7	100 A	3.00E	4.00	3.60B	1.82B	17
18	0.440B	0.480B	0.422B	2.00 B	2.12	6.98	10.1	80.0 E	3.80E	3.90	3.30B	1.62B	18
19	0.440B	0.500B	0.430B	2.60 B	2.24	5.90	8.13	70.0 E	10.5 E	3.70	2.85B	1.47B	19
20	0.420B	0.624B	0.440B	3.00 B	3.44	5.62	6.92	60.0 E	9.80E	3.65	2.80B	1.44B	20
21	0.420B	0.535B	0.464B	7.00 B	5.98	5.43	6.91	30.0 E	8.40E	3.69	2.53B	1.41B	21
22	0.430B	0.545B	0.463B	6.00 B	5.34	4.78	14.4	44.4 A	7.20E	3.47	2.35B	1.34B	22
23	0.440B	0.580B	0.480B	5.80 B	5.07	4.34	12.8	34.1	6.60E	3.32	2.34B	1.42B	23
24	0.430B	0.510B	0.480B	5.10 B	5.40	3.93	11.9	28.7	8.00E	3.29	2.32B	1.42B	24
25	0.420B	0.490B	0.480B	5.00 B	4.87	3.53	13.3	20.8	8.68A	3.50	2.28B	1.41B	25
26	0.460B	0.475B	0.440B	4.90 B	4.35	3.07	10.5	18.4	5.32	4.21	2.27B	1.44B	26
27	0.480B	0.485B	0.430B	4.71 A	4.01	10.3	8.26	17.3	5.08	4.41	2.30B	1.45B	27
28	0.480B	0.465B	0.440B	4.28	3.76	40.4	8.00	18.1	4.71	4.41	2.23B	1.45B	28
29	0.475B		0.480B	4.12	3.75	34.5	8.88	15.1	4.41	4.06	2.17B	1.42B	29
30	0.475B		0.480B	3.84	3.29	26.7	9.00E	15.0	4.21	4.16A	2.11B	1.43B	30
31	0.473B		0.500B		2.85		8.30E	16.5		4.05B		1.42B	31
TOTAL	13.581	12.882	14.144	88.586	138.43	245.48	475.80	704.00	270.70	122.86	82.80	50.07	TOTAL
MEAN	0.438	0.480	0.456	2.28	4.40	8.18	15.4	22.7	9.02	3.96	3.09	1.62	MEAN
MAX	0.480	0.580	0.540	7.00	8.48	40.4	42.1	100	18.3	5.58	3.84	2.02	MAX
MIN	0.420	0.415	0.422	0.360	2.12	1.46	6.92	4.40	3.00	3.29	2.11	1.34	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.05
MAXIMUM DAILY, 100A ON AUG 17
MINIMUM DAILY, 0.360B ON APR 8
MAXIMUM INSTANTANEOUS,
118 ON AUG 17

SUMMARY FOR THE YEAR 1969

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 35 55 N
LONG 115 15 15 W
DRAINAGE AREA, 829 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 170	JUL	41 100
FEB	1 110	AUG	60 800
MAR	1 220	SEP	23 400
APR	8 520	OCT	10 600
MAY	11 900	NOV	8 000
JUN	21 200	DEC	4 330

TOTAL DISCHARGE, 191 000 dam³

REMARKS - PEAK DISCHARGE WAS DERIVED FROM HIGH WATER MARK

WOLF RIVER AT OUTLET OF WOLF LAKE - STATION NO. 08AB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.1028	0.1878	0.2818	0.2628	0.172	1.08	1.44	0.483	0.098	0.081	0.0438	0.0788	1
2	0.1008	0.1808	0.2818	0.2808	0.165	1.11	1.38	0.434	0.098	0.082	0.0448	0.0738	2
3	0.1068	0.1858	0.2798	0.2488	0.181	1.13	1.36	0.383	0.136	0.081	0.0488	0.0678	3
4	0.1108	0.2108	0.2758	0.2478	0.154	1.11	1.26	0.295	0.142	0.078	0.0488	0.0648	4
5	0.1108	0.2258	0.2688	0.2488	0.160	1.15	1.23	0.279	0.138	0.070	0.0538	0.0588	5
6	0.1058	0.2458	0.2688	0.2308	0.148	1.15	1.19	0.226	0.143	0.072	0.0518	0.0508	6
7	0.0958	0.2468	0.2478	0.2158	0.166	1.26	1.15	0.186	0.137	0.084	0.0538	0.0458	7
8	0.0938	0.2488	0.2388	0.1888	0.182	1.24	1.19	0.167	0.127	0.087	0.0538	0.0458	8
9	0.0948	0.2478	0.2388	0.1818	0.191	1.28	1.41	0.173	0.122	0.087	0.0548	0.0408	9
10	0.0958	0.2428	0.2388	0.1818	0.217	1.48	1.46	0.141	0.118	0.088	0.0488	0.0438	10
11	0.1008	0.2408	0.2408	0.1708	0.190	1.52	1.44	0.128	0.123	0.086	0.0538	0.0538	11
12	0.1188	0.2388	0.2408	0.1648	0.251	1.58	1.43	0.136	0.121	0.087	0.0518	0.0558	12
13	0.1188	0.2308	0.2418	0.1588	0.314	1.56	1.42	0.137	0.118	0.086	0.0508	0.0778	13
14	0.1318	0.2258	0.2418	0.154	0.341	1.48	1.36	0.126	0.117	0.088	0.0538	0.0748	14
15	0.1498	0.2238	0.2488	0.163	0.345	1.47	1.29	0.111	0.107	0.086	0.0548	0.0738	15
16	0.1488	0.2238	0.2518	0.165	0.367	1.40	1.22	0.101	0.112	0.086	0.0578	0.0698	16
17	0.1488	0.2268	0.2658	0.166	0.378	1.56	1.02	0.088	0.113	0.087	0.0588	0.0678	17
18	0.1498	0.2308	0.2718	0.161	0.406	1.56	0.883	0.107	0.110	0.060	0.0578	0.0688	18
19	0.1478	0.2438	0.2708	0.167	0.538	1.50	0.824	0.107	0.110	0.080	0.0838	0.0688	19
20	0.1488	0.2388	0.2688	0.180	0.881	1.38	1.03	0.098	0.108	0.081	0.0848	0.0558	20
21	0.1488	0.2388	0.2638	0.170	0.758	1.38	0.963	0.081	0.103	0.080	0.0888	0.0448	21
22	0.1458	0.2378	0.2608	0.167	0.676	1.34	0.878	0.068	0.103	0.059	0.0858	0.0408	22
23	0.1468	0.2408	0.2558	0.169	0.986	1.33	0.781	0.074	0.081	0.057	0.0888	0.0438	23
24	0.1418	0.2498	0.2488	0.164	0.865	1.37	0.854	0.076	0.088	0.060	0.0708	0.0628	24
25	0.1468	0.2628	0.2428	0.191	1.01	1.38	0.825	0.071	0.084	0.080	0.0878	0.0808	25
26	0.1508	0.2728	0.2388	0.193	1.04	1.45	0.891	0.088	0.089	0.062	0.0838	0.0678	26
27	0.1708	0.2818	0.2408	0.193	1.06	1.38	0.857	0.084	0.088	0.063	0.0848	0.0688	27
28	0.1848	0.2808	0.2458	0.185	1.08	1.30	0.528	0.086	0.084	0.058	0.0708	0.0688	28
29	0.1888		0.2558	0.181	1.10	1.40	0.474	0.088	0.086	0.058	0.0778	0.0688	29
30	0.1908		0.2598	0.181	1.10	1.40	0.488	0.073	0.081	0.0498	0.0778	0.0828	30
31	0.1908		0.2678		1.03		0.474	0.088		0.0428		0.0888	31
TOTAL	4.188	6.810	7.891	5.848	15.801	40.63	32.178	4.708	3.302	2.001	1.739	1.884	TOTAL
MEAN	0.134	0.238	0.255	0.188	0.536	1.35	1.04	0.152	0.110	0.065	0.058	0.060	MEAN
MAX	0.190	0.281	0.281	0.262	1.10	1.58	1.46	0.483	0.143	0.082	0.077	0.077	MAX
MIN	0.083	0.187	0.238	0.151	0.145	1.08	0.474	0.084	0.081	0.042	0.043	0.040	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.369
MAXIMUM DAILY, 1.58 ON JUN 12
MINIMUM DAILY, 0.0408 ON DEC 8
MAXIMUM INSTANTANEOUS,
1.84 AT 18:07 MST ON JUN 13

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 42 47 N
LONG 111 00 03 W
DRAINAGE AREA, 735 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	360	JUL	2 780
FEB	571	AUG	407
MAR	662	SEP	285
APR	488	OCT	173
MAY	1 430	NOV	150
JUN	3 810	DEC	160

TOTAL DISCHARGE, 11 000 dam³

YOUNG CREEK NEAR CASTOR - STATION NO. 05FC007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0208	0	0	0.028	0.002	0.028	0	---	---	1
2	---	---	0 B	0.0078	0	0	0.007	0	0.008	0	---	---	2
3	---	---	0 B	0.0078	0	0	0.005	0	0.006	0	---	---	3
4	---	---	0 B	0.234	0	0	0.002	0	0.002	0	---	---	4
5	---	---	0 B	0.200E	0	0	0.002	0	0.001	0	---	---	5
6	---	---	0 B	0.135E	0	0	0.001	0	0.004	0	---	---	6
7	---	---	0 B	0.087A	0	0	0.001	0	0.053	0	---	---	7
8	---	---	0 B	0.082	0	0	0	0	0.032	0	---	---	8
9	---	---	0 B	0.074	0	0.529	0	0	0.013	0	---	---	9
10	---	---	0 B	0.061	0	0.813	0	0	0.004	0	---	---	10
11	---	---	0 B	0.044	0	0.036	0.001	0	0.139	0	---	---	11
12	---	---	0 B	0.046	0	0.008	0.001	0	0.007	0	---	---	12
13	---	---	0 B	0.057	0	0.002	0	0	0	0	---	---	13
14	---	---	0 B	0.054	0	0.008	0	0	0	0	---	---	14
15	---	---	0 B	0.040	0	0.018	0	0	0	0	---	---	15
16	---	---	0 B	0.023	0	0.001	0	0	0	0	---	---	16
17	---	---	0 B	0.016	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0.008	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0.005	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0.001	0	0	0	0	0	0	---	---	20
21	---	0B	0 B	0	0	0	0	0	0	0	---	---	21
22	---	0B	0 B	0	0	0	0	0	0	0	---	---	22
23	---	0B	0 B	0	0	0	0	0	0	0	---	---	23
24	---	0B	0 B	0	0	0	0	0	0	0	---	---	24
25	---	0B	0 B	0	0	0	0	0	0	0	---	---	25
26	---	0B	0 B	0	0	0	0	0	0	0.001	---	---	26
27	---	0B	0.0308	0	0	0	0	0	0	0.001	---	---	27
28	---	0B	0.140B	0	0	0	0.131	0	0	0.001	---	---	28
29	---		0.260B	0	0	0	0.152	0	0	0.001	---	---	29
30	---		0.691B	0	0	0.052	0.024	0.004	0	0.001A	---	---	30
31	---		1.29 B		0		0.005	0.138		0.001E		---	31
TOTAL	---	---	2.401	3.112	0	1.286	0.361	0.142	0.286	0.008	---	---	TOTAL
MEAN	---	---	0.077	0.104	0	0.042	0.012	0.005	0.010	0	---	---	MEAN
MAX	---	---	1.29	0.520	0	0.813	0.152	0.138	0.139	0.001	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.031
MAXIMUM DAILY, 1.29B ON MAR 31
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
4.65 AT 21:15 MST ON JUN 9

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 15 32 N
LONG 111 43 44 W
DRAINAGE AREA, 78.7 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	31.2
FEB	---	AUG	12.3
MAR	207	SEP	25.7
APR	269	OCT	0.52
MAY	0	NOV	---
JUN	109	DEC	---

TOTAL DISCHARGE, 655 dam³

YOUNG DRAINAGE PROJECT NEAR SPIRIT RIVER - STATION NO. 07FD013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0 B	0	0	0	0	0.019	0.832	---	---	1
2	---	---	---	0 B	0	0	0	0	0.018	0.178	---	---	2
3	---	---	---	0.0038	0	0	0	0.032	0.013	0.077	---	---	3
4	---	---	---	0.0388	0	0	0	0.088	0	0.027	---	---	4
5	---	---	---	0.1248	0	0	0	0.062	0.003	0.013	---	---	5
6	---	---	---	0.1788	0	0	0	0.028	0.123	0	---	---	6
7	---	---	---	0.1848	0	0	0	0.003	0.111	0	---	---	7
8	---	---	---	0.1868	0	0	0	0	0.088	0	---	---	8
9	---	---	---	0.3188	0	0	0	0	0.049	0	---	---	9
10	---	---	---	0.380E	0	0	0.007	0.013	0.014	0	---	---	10
11	---	---	---	0.213E	0	0	0.003	0.077	0	0	---	---	11
12	---	---	---	0.168E	0	0	0	0.078	0	0	---	---	12
13	---	---	---	0.078	0	0	0	0.048	0	0	---	---	13
14	---	---	---	0.020	0	0	0	0.035	0	0	---	---	14
15	---	---	---	0.014	0	0	0	0.127	0	0	---	---	15
16	---	---	---	0.009	0	0	0.005	0.223	0	0	---	---	16
17	---	---	---	0.012	0	0	0.051	0.586	0.153	0	---	---	17
18	---	---	---	0.012	0	0	0.024	0.523	0.240	0	---	---	18
19	---	---	---	0.011	0	0	0.003	0.321	0.110	0	---	---	19
20	---	---	---	0.001	0	0	0	0.227	0.080	0	---	---	20
21	---	---	---	0	0.010	0	0.012	0.187	0.030	0	---	---	21
22	---	---	---	0	0.023	0	0.051	0.142	0.007	0	---	---	22
23	---	---	0B	0	0.015	0	0.021	1.23	0	0	---	---	23
24	---	---	---	0	0.001	0	0.001	0.880	0	0	---	---	24
25	---	---	---	0	0	0	0	0.408	0	0	---	---	25
26	---	---	---	0	0	0	0	0.249	0	0 E	---	---	26
27	---	---	---	0	0	0	0	0.176	0	0 E	---	---	27
28	---	---	---	0	0	0	0	0.123	0	0 E	---	---	28
29	---		---	0	0	0	0.003	0.104	0	0 E	---	---	29
30	---		---	0	0	0	0	0.084	0.884	0 B	---	---	30
31	---		---		0		0	0.049		0 B		---	31
TOTAL	---	---	---	1.836	0.049	0	0.181	6.188	1.682	1.138	---	---	TOTAL
MEAN	---	---	---	0.085	0.002	0	0.006	0.200	0.056	0.037	---	---	MEAN
MAX	---	---	---	0.380	0.023	0	0.051	1.23	0.884	0.832	---	---	MAX
MIN	---	---	---	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 1.23 ON AUG 23
MINIMUM DAILY, 0B ON MAR 23
MAXIMUM INSTANTANEOUS,
2.26 AT 22:10 MST ON SEP 30

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 49 00 N
LONG 118 47 00 W
DRAINAGE AREA, 31.6 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	15.6
FEB	---	AUG	534
MAR	---	SEP	146
APR	187	OCT	98.3
MAY	4.23	NOV	---
JUN	0	DEC	---

NAME	STATION NO.	PAGE
ADAMS CREEK NEAR KINUSO	07BJ004	1
AETNA CREEK AT HIGHWAY NO. 501	05AE012	1
ALBERTA POWER LIMITED COOLING POND OUTLET	05CG007	2
ALKALI CREEK NEAR THE MOUTH	05CK005	2
AMISK CREEK NEAR SHONTS	05EB018	3
AMISK RIVER AT HIGHWAY NO. 36	05AA002	3
ATHABASCA RIVER ABOVE JACKFISH CREEK	07DD007	4
ATHABASCA RIVER AT ATHABASCA	07BE001	4
ATHABASCA RIVER AT HINTON	07AD002	5
ATHABASCA RIVER BELOW MCMURRAY	07DA001	5
ATHABASCA RIVER NEAR JASPER	07AA002	6
ATHABASCA RIVER NEAR OLD FORT	07DD011	6
ATHABASCA RIVER NEAR WINDFALL	07AE001	7
ATIM CREEK NEAR SPRUCE GROVE	05EA009	7
ATIMOSWE CREEK NEAR ELK POINT	05ED002	8
BABETTE CREEK NEAR COLINTON	07CA006	8
BAPTISTE LAKE NEAR ATHABASCA	07BE002	9
BAPTISTE RIVER NEAR THE MOUTH	05DC012	9
BARE CREEK RESERVOIR NEAR ELKWATER	11AE004	10
BARRIER LAKE NEAR SEEBE	05BF024	10
BATTERSEA DRAIN NEAR THE MOUTH	05AD038	11
BATTLE RIVER NEAR FORESTBURG	05FC001	11
BATTLE RIVER NEAR PONOKA	05FA001	12
BATTLE RIVER NEAR THE SASKATCHEWAN BOUNDARY	05FE004	12
BEAR CREEK NEAR INTERNATIONAL BOUNDARY	11AA028	13
BEAR CREEK NEAR VALHALLA CENTRE	07GE007	13
BEAR LAKE NEAR CLAIRMONT	07GE004	14
BEARBERRY CREEK NEAR SUNDRE	05CA011	14
BEAVER CREEK NEAR BROCKET	05AB013	15
BEAVER LAKE AT RANGER STATION	05AA003	15
BEAVER RIVER ABOVE SYNCRUDE	07DA018	16
BEAVER RIVER AT COLD LAKE RESERVE	05AD008	16
BEAVER RIVER NEAR GOODRIDGE	05AA001	17
BEAVERDAM CREEK NEAR COCHRANE	05CB005	17
BEAVERLODGE RIVER NEAR BEAVERLODGE	07GD001	18
BESVERTAIL CREEK NEAR MYTHE	07GD002	18
BEDDINGTON CREEK NEAR CALGARY	05BM004	19
BELLY - ST. MARY DIVERSION CANAL	05AD021	19
BELLY RIVER NEAR GLENWOOD	05AD041	20
BELLY RIVER NEAR MOUNTAIN VIEW	05AD005	20
BERLAND RIVER NEAR THE MOUTH	07AC007	21
BERRY CREEK BELOW DEADFISH CREEK	05CH016	21
BERRY CREEK NEAR ROSE LYNN	05CH008	22
BERRY CREEK NEAR THE MOUTH	05CH007	22
BERRY CREEK RESERVOIR NEAR SUNNYNOOK	05CH014	23
BERRY CREEK RESERVOIR OUTLET	05CH011	23
BIGELOW RESERVOIR NEAR WIMBORNE	05CE001	24
BIGKNIFE CREEK NEAR GADSBY	05FC002	24
BIRCH CREEK NEAR CONKLIN	07CE008	25
BIRCH RIVER BELOW ALICE CREEK	07KE001	25
BLACKMUD CREEK NEAR ELLERSLIE	05DF003	26
BLINDMAN RIVER NEAR BLACKFALDS	05CC001	26
BLINDMAN RIVER NEAR BLUFFTON	05CC008	27
BLOCK CREEK NEAR LEEDALE	05CC010	27
BLOOD INDIAN CREEK NEAR CABIN LAKE	05CK007	28
BLOOD INDIAN CREEK NEAR THE MOUTH	05CK001	28
BOUNTIFUL COULEE INFLOW NEAR CRANFORD	05AG026	29
BOW RIVER AT BANFF	05BB001	29
BOW RIVER AT CALGARY	05BM004	30
BOW RIVER AT LAKE LOUISE	05BA001	30
BOW RIVER BELOW BASSANO DAM	05BM004	31
BOW RIVER BELOW BEARSPAW DAM	05BM008	31
BOW RIVER BELOW CARSELAND DAM	05BM002	32
BOW RIVER BELOW GHOST DAM	05BE008	32
BOW RIVER DEVELOPMENT DRAIN A NEAR HAYS	05AG004	33
BOW RIVER DEVELOPMENT DRAIN D NEAR VAUXHALL	05BN008	33
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